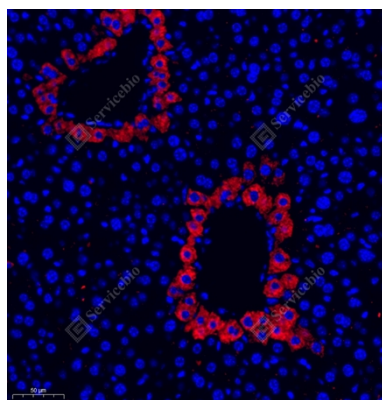


## Anti-Cathepsin D Rabbit pAb



**GB111861 -20°C**

| Product Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                           |               |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------|-----------------|
| Protein full name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cathepsin D                                                                                                               |               |                 |
| Synonyms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Ctsd, CatD, CD, CLN10, CPSD, Epididymis secretory sperm binding protein Li 130P, HEL S 130P, Lysosomal aspartyl peptidase |               |                 |
| Immunogen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | KLH conjugated Synthetic peptide corresponding to Mouse Cathepsin D                                                       |               |                 |
| Uniprot ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | P18242                                                                                                                    |               |                 |
| Isotype                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IgG                                                                                                                       |               |                 |
| Purity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Affinity purification                                                                                                     |               |                 |
| Subcellular location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lysosome, Secreted                                                                                                        |               |                 |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Species                                                                                                                   | Dilution      | Positive Tissue |
| IHC/IF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Human, Mouse                                                                                                              | 1: 200-1: 400 | liver           |
| Storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                           |               |                 |
| Storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                                           |               |                 |
| Storage Buffer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PBS with 0.15% ProClin300, 100 µg/mL BSA and 50% glycerol.                                                                |               |                 |
| background                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                           |               |                 |
| CTSD(Cathepsin D) is also named as CPSD,belongs to the peptidase A1 family.It is ubiquitously expressed and is involved in proteolytic degradation, cell invasion, and apoptosis. The prepro-CTSD isoform has a molecular mass of 52 kDa, the pro-CTSD 48 kDa and the mature CTSD 32 kDa. It is a lysosomal acid protease found in neutrophils and monocytes and involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.Defects in CTSD are the cause of neuronal ceroid lipofuscinosis type 10 (CLN10).This antibody is specific to CTSD. |                                                                                                                           |               |                 |
| Images                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                           |               |                 |



IF analysis of Cathepsin D(GB111861)red.  
Sample: Mouse liver, 4% PFA (G1101) 12-24h.  
Antigen retrieval: Tris-EDTA buffer (pH 9.0) (G1203), 98°C, 20min.  
Blocking buffer: 3% BSA (GC305010) in PBS, RT, 30min.  
Primary antibody: 1: 200, 4°C overnight.  
Secondary antibody: Cy3 conjugated Goat Anti-Rabbit IgG (H+L) (GB21303), 1: 300, RT, 1h.

**For Research Use Only!**

**Ver. No.: V2.0-20260420**