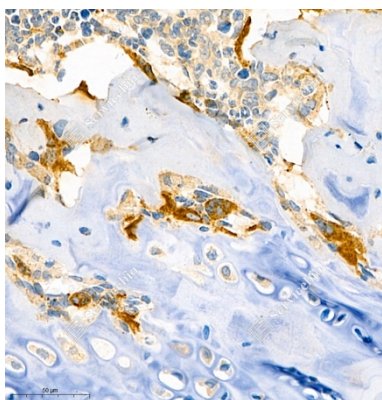


Anti-Cathepsin K Rabbit pAb

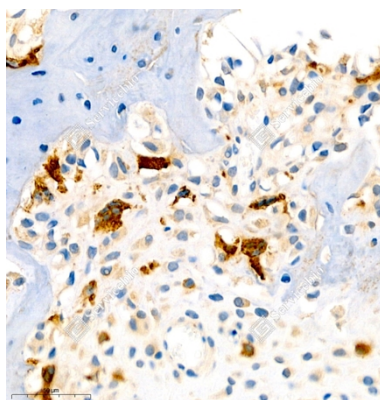


GB111276 -20°C

Product Information			
Protein full name	Cathepsin K		
Synonyms	Ctsk, Procathepsin K, Cathepsin K, Cathepsin O, Cathepsin X, CTSO		
Immunogen	Recombinant protein corresponding to Mouse Cathepsin K		
Uniprot ID	P55097		
Isotype	IgG		
Purity	Affinity purification		
Subcellular location	Cytoplasm		
Applications	Species	Dilution	Positive Tissue
IHC/IF	Mouse, Rat	1: 1000-1: 2000	bone
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			
The protein encoded by this gene is a lysosomal cysteine proteinase involved in bone remodeling and resorption. This protein, which is a member of the peptidase C1 protein family, is predominantly expressed in osteoclasts. However, the encoded protein is also expressed in a significant fraction of human breast cancers, where it could contribute to tumor invasiveness. Mutations in this gene are the cause of pycnodysostosis an autosomal recessive disease characterized by osteosclerosis and short stature.			
Images			



IHC analysis of Cathepsin K(GB111276).
Sample: Mouse bone, 4% PFA (G1101) 12-24h.
Antigen retrieval: Pepsin Antigen Repair Solution, 37°C, 30min.
Primary antibody: 1: 1000, 4°C overnight.
Secondary antibody: HRP conjugated Goat Anti-Rabbit IgG (H+L) (GB23303), 1: 200, RT, 1h.



IHC analysis of Cathepsin K(GB111276).
Sample: Rat bone, 4% PFA (G1101) 12-24h.
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