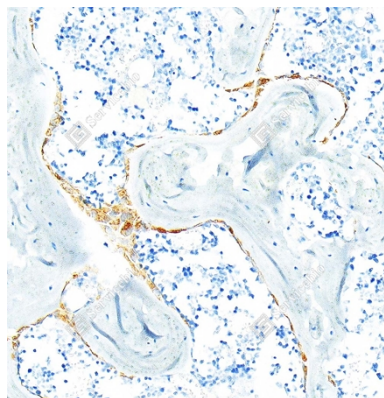


Anti-Osteocalcin Mouse mAb

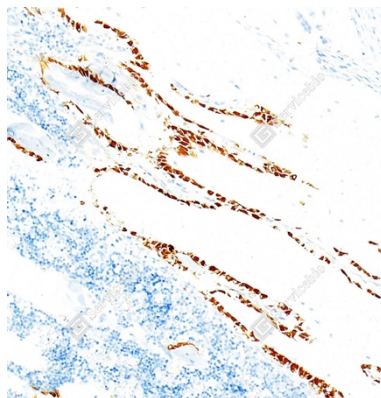


GB120012 -20°C

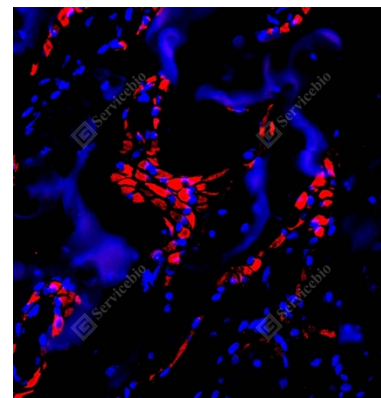
Product Information			
Protein full name	Osteocalcin		
Synonyms	BGLAP, BGP, OC, OCN, Osteocalcin, bone gamma-carboxyglutamate protein		
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse Osteocalcin		
Uniprot ID	P86546		
Isotype	IgG2a, κ		
Clone Number	4H7E10		
Purity	Affinity purification		
Subcellular location	Secreted		
Applications	Species	Dilution	Positive Tissue
IHC/IF	Mouse, Rat	1: 500-1: 1500	bone, femur
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			
Osteocalcin is secreted solely by osteoblasts and thought to play a role in the body's metabolic regulation and is pro-osteoblastic, or bone-building, by nature. It is also implicated in bone mineralization and calcium ion homeostasis. Osteocalcin acts as a hormone in the body, causing beta cells in the pancreas to release more insulin, and at the same time directing fat cells to release the hormone adiponectin, which increases sensitivity to insulin.			
Images			



IHC analysis of Osteocalcin(GB120012).
Sample: Mouse bone, 4% PFA (G1101) 12-24h.
Antigen retrieval: Citrate buffer (pH 6.0) (G1201), pressure cooker 2 min.
Primary antibody: 1: 1000, 4°C overnight.
Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Mouse IgG (H+L), Ready to use(G1301), RT, 20min.



IHC analysis of Osteocalcin(GB120012).
Sample: Rat bone, 4% PFA (G1101) 12-24h.
Antigen retrieval: Citrate buffer (pH 6.0) (G1201), pressure cooker 2 min.
Primary antibody: 1: 1000, 4°C overnight.
Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Mouse IgG (H+L), Ready to use(G1301), RT, 20min.



IF analysis of Osteocalcin(GB120012)red.
Sample: Rat bone, 4% PFA (G1101) 12-24h.
Antigen retrieval: Citrate buffer (pH 6.0) (G1201), pressure cooker 2 min.
Blocking buffer: 3% BSA (GC305010) in PBS, RT, 30min.
Primary antibody: 1: 1000, 4°C overnight.
Secondary antibody: Cy3 conjugated Goat Anti-Mouse IgG (H+L) (GB21301), 1: 300, RT, 1h.

For Research Use Only!

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