

Recombinant Anti-Osteopontin antibody (Rabbit mAb)

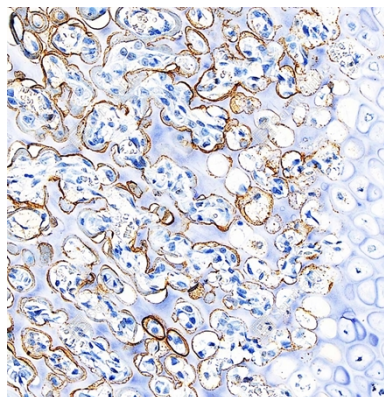


GB152328 -20°C

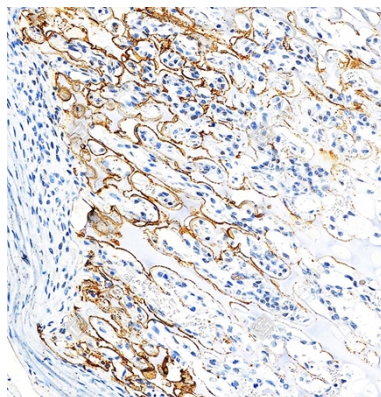
Product Information			
Protein full name	Osteopontin		
Synonyms	Bone sialoprotein 1, Nephropontin, Secreted phosphoprotein 1, SPP-1, Urinary stone protein, Uropontin, SPP1, BNSP, OPN, PSEC0156, BSPI, ETA-1, Osteopontin		
Immunogen	Recombinant protein corresponding to Rat Osteopontin		
Uniprot ID	P08721		
Isotype	IgG		
Clone Number	SB555		
Purity	Affinity purification		
Subcellular location	Secreted		
Applications	Species	Dilution	Positive Tissue
IHC/IF	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			

Osteopontin (OPN), also known as bone sialoprotein I (BSP-1 or BNSP), early T-lymphocyte activation (ETA-1), secreted phosphoprotein 1 (SPP1), 2ar and Rickettsia resistance (Ric), is a protein that in humans is encoded by the SPP1 gene (secreted phosphoprotein 1). Osteopontin is the principal phosphorylated glycoprotein of bone and is expressed in a limited number of other tissues including dentine. Osteopontin is produced by osteoblasts under stimulation by calcitriol and binds tightly to hydroxyapatite.

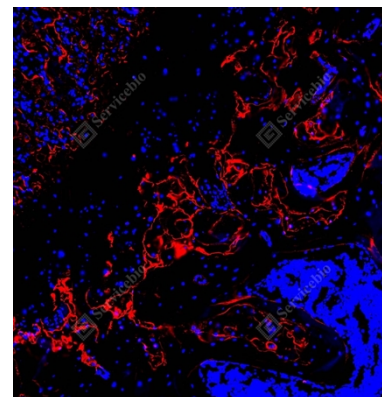
Images



IHC analysis of Osteopontin(GB152328).
Sample: Rat bone, 4% PFA (G1101) 12-24h.
Antigen retrieval: Antigen retrieval instrument: (ARI-4), Tris-EDTA buffer (pH 8.0) (G1207), 90°C 30min.
Primary antibody: 1: 1000, 4°C overnight.
Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG (H+L), Ready to use(G1302), RT, 20min.



IHC analysis of Osteopontin(GB152328).
Sample: Rat bone, 4% PFA (G1101) 12-24h.
Antigen retrieval: Antigen retrieval instrument: (ARI-4), Tris-EDTA buffer (pH 8.0) (G1207), 90°C 30min.
Primary antibody: 1: 1000, 4°C overnight.
Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG (H+L), Ready to use(G1302), RT, 20min.



IF analysis of Osteopontin(GB152328)red.
Sample: Rat bone, 4% PFA (G1101) 12-24h.
Antigen retrieval: Antigen retrieval instrument: (ARI-4), Tris-EDTA buffer (pH 8.0) (G1207), 90°C 30min.
Blocking buffer: 3% BSA (GC305010) in PBS, RT, 30min.
Primary antibody: 1: 1000, 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