

Anti-OPN Rabbit pAb



WL00691

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-OPN Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC	1:100
Cellular localization	Secreted and Cell membrane	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

Osteopontin (OPN, also designated Bone Sialoprotein 1, Urinary Stone Protein, spp-1, eta-1, nephropontin, uropontin) is an extracellular matrix cell adhesion phosphoglycoprotein. It is secreted and binds hydroxyapatite with high affinity. The osteoclast vitronectin receptor is found in the cell membrane and may be involved in the binding to this protein. While OPN is a major product of osteoblasts, it is also synthesized by brain and kidney cells. OPNs isolated from or secreted by various tissues have molecular weights between 44 and 75 kDa, due to post-translational modifications. OPN functions as a substrate for transglutaminase and is involved in cell adhesion, chemoattraction and immunomodulation.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of OPN.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

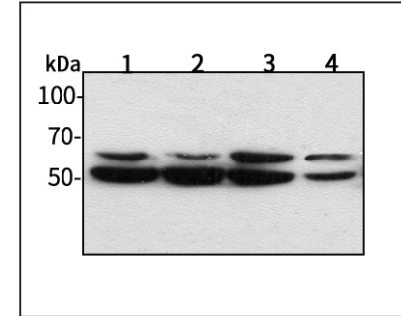
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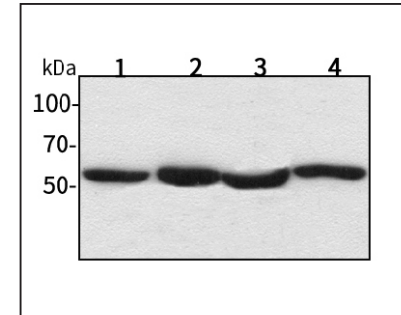
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Product Images



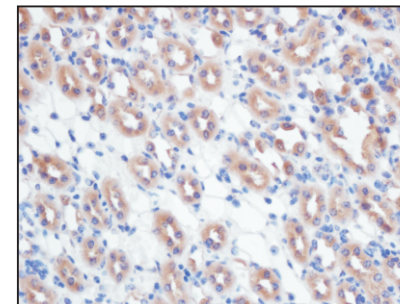
Western blot-Anti-OPN pAb

Lane 1: Human HepG2 cell lysate
 Lane 2: Human Hela cell lysate
 Lane 3: Human BGC-823 cell lysate
 Lane 4: Human MGC-803 cell lysate
 All lanes: Anti-OPN at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 35 kDa
 Observed band size: 25-55 kDa



Western blot-Anti-OPN pAb

Lane 1: Mouse kidney tissue lysate
 Lane 2: Mouse heart tissue lysate
 Lane 3: Rat liver tissue lysate
 Lane 4: Rat brain tissue lysate
 All lanes: Anti-OPN at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 35 kDa
 Observed band size: 25-55 kDa



Immunohistochemistry-Anti-OPN pAb

Immunohistochemical analysis of paraffin-embedded mouse kidney using anti-OPN Rabbit Antibody at 1:100 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

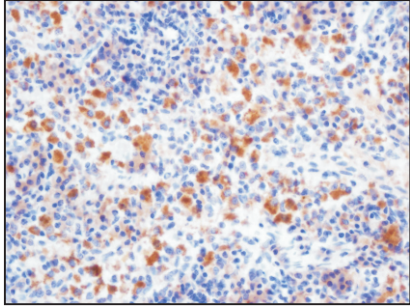


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Immunohistochemistry-Anti-OPN pAb

Immunohistochemical analysis of paraffin-embedded rat spleen using anti-OPN Rabbit Antibody at 1:100 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0