

Bone sialoprotein Rabbit pAb

Catalog Number: bs-2668R

Target Protein: Bone sialoprotein

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Mouse, Rat (predicted:Human)

Predicted MW: 34 kDa

Entrez Gene: 3381

Swiss Prot: P21815

Source: KLH conjugated synthetic peptide derived from human Bone sialoprotein II: 21-120/317.

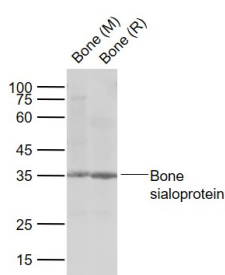
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a major structural protein of the bone matrix. It constitutes approximately 12% of the noncollagenous proteins in human bone and is synthesized by skeletal-associated cell types, including hypertrophic chondrocytes, osteoblasts, osteocytes, and osteoclasts. The only extraskeletal site of its synthesis is the trophoblast. This protein binds to calcium and hydroxyapatite via its acidic amino acid clusters, and mediates cell attachment through an RGD sequence that recognizes the vitronectin receptor. [provided by RefSeq, Jul 2008]

VALIDATION IMAGES



Sample: Lane 1: Bone (Mouse) Lysate at 40 ug Lane 2: Bone (Rat) Lysate at 40 ug Primary: Anti-Bone sialoprotein (bs-2668R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 34 kD Observed band size: 35 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=8.2] Sunghan Lee. et al. Bone-on-a-chip simulating bone metastasis in osteoporosis. BIOFABRICATION. 2024 Aug;16(4):045025 IF ; Mouse . 39116896

[IF=6.344] Zheng, Han. et al. miR-140-3p enhanced the osteo/odontogenic differentiation of DPSCs via inhibiting KMT5B under hypoxia condition. Int J Oral Sci. 2021 Dec;13(1):1-10 WB ; Human . 34876565

[IF=5.37] Yang, Zhenhua, et al. "Cessation of epithelial Bmp signaling switches the differentiation of crown epithelia to the root lineage in a β -catenin-dependent manner." Molecular and Cellular Biology (2013); MCB-00456. Other ; ="Mouse" . 24081330

[IF=4.963] Shi R et al. Analysis of the characteristics and expression profiles of coding and noncoding RNAs of human dental pulp stem cells in hypoxic conditions. Stem Cell Res Ther. 2019 Mar 12;10(1):89. WB ; Human . 30867055

[IF=5.4] Long Lujue. et al. LncRNA NR_045147 modulates osteogenic differentiation and migration in PDLSCs via ITGB3BP degradation and mitochondrial dysfunction. STEM CELL TRANSL MED. 2024 Dec;; WB ; Human . 39674578