

bs-2668R**[Primary Antibody]****BioSS**
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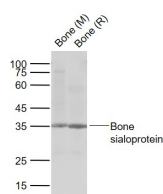
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Bone sialoprotein Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse, Rat (predicted: Human)
GeneID: 3381	SWISS: P21815	
Target: Bone sialoprotein		Predicted MW.: 34 kDa
Immunogen: KLH conjugated synthetic peptide derived from human Bone sialoprotein II: 21-120/317.		Subcellular Location: Secreted
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
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 extraskelatal 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

— SELECTED CITATIONS —

- **[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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[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