

IBSP Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14114a

Product Information

Application	WB, E
Primary Accession	P21815
Other Accession	NP_004958.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34106
Antigen Region	70-99

Additional Information

Other Names	Bone sialoprotein 2, Bone sialoprotein II, BSP II, Cell-binding sialoprotein, Integrin-binding sialoprotein, IBSP, BNSP
Target/Specificity	This IBSP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 70-99 amino acids from the N-terminal region of human IBSP.
Dilution	WB~1:1000 E~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	IBSP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

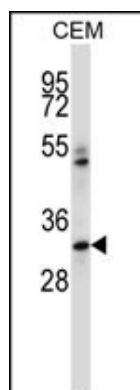
The protein encoded by this gene is a major structural protein of the bone matrix. It constitutes approximately 12% of the noncollagenous proteins in human bone and is synthesized by skeletal-associated cell types, including hypertrophic chondrocytes, osteoblasts, osteocytes, and osteoclasts. The only 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.

References

Giroux, S., et al. Bone 47(5):975-981(2010)
Koller, D.L., et al. J. Clin. Endocrinol. Metab. 95(4):1802-1809(2010)
Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)
Gordon, J.A., et al. J. Cell. Biochem. 107(6):1118-1128(2009)
Hwang, Q., et al. BMC Cancer 9, 121 (2009) :

Images



IBSP Antibody (N-term) (Cat. #AP14114a) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the IBSP antibody detected the IBSP protein (arrow).

Citations

- [Targeting Local Osteogenic and Ancillary Cells by Mechanobiologically Optimized Magnesium Scaffolds for Orbital Bone Reconstruction in Canines](#)
- [CircRNA-vgl13 promotes osteogenic differentiation of adipose-derived mesenchymal stem cells via modulating miRNA-dependent integrin \$\alpha\$ 5 expression](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.