

Product datasheet for **TA341700**

Bone Sialoprotein (IBSP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-IBSP antibody: synthetic peptide directed towards the N terminal of human IBSP. Synthetic peptide located within the following region: SATTLGYGEDATPGTGYTGLAAIQLPKKAGDITNKATKEKESDEEEEEEE
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35 kDa
Gene Name:	integrin binding sialoprotein
Database Link:	NP_004958 Entrez Gene 3381 Human P21815



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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]

Synonyms:

BNSP; BSP; BSP-II; SP-II

Note:

Immunogen Sequence Homology: Human: 100%; Dog: 79%

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

ECM-receptor interaction, Focal adhesion

Product images:

WB Suggested Anti-IBSP Antibody Titration: 1.25 ug/ml; ELISA Titer: 1:62500; Positive Control: HepG2 cell lysate