



Anti-IBSP (aa 262-279) polyclonal antibody (DPAB3205RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal antibody to human Bone Sialoprotein (aa 262-279)
Antigen Description	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
Specificity	Human Bone Sialoprotein (aa 262-279). Cross reactivity with human Bone Sialoprotein. There were no cross reactivities obtained with human Osteonectin, and human Osteopontin (aa 25-40).
Immunogen	Synthetic human Bone Sialoprotein (aa 262-279) (YESENGEPKGDNYRAYED)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA, ICC
Concentration	20 µl / 100 µl (lyophilized). Resuspend in 20 µl / 100 µl aqua bidest
Preservative	None
Storage	2-8 °C (lyophilized); - 20 °C (dissolved). Repeated thawing and freezing must be avoided

GENE INFORMATION

Gene Name	IBSP integrin-binding sialoprotein [Homo sapiens]
Official Symbol	IBSP
Synonyms	integrin-binding sialoprotein; Cell-binding sialoprotein; BSP; BNSP; BSP-II; BSP II; SP-II; bone sialoprotein 2; Bone sialoprotein II; OTTHUMP00000161175
Entrez Gene ID	3381
Protein Refseq	NP_004958
UniProt ID	P21815
Chromosome Location	4q21.1
Pathway	ECM-receptor interaction; Focal Adhesion; Focal adhesion; Integrin cell surface interactions