

IBSP polyclonal antibody

Catalog # PAB13571 Size 100 uL

Specification

Product Description	Rabbit polyclonal antibody raised against native IBSP.
Immunogen	Native purified IBSP from human bone sialoprotein.
Host	Rabbit
Reactivity	Human, Rat
Specificity	Recognizes human and rat bone sialoprotein. Does not cross-react with human osteopontin or osteonectin.
Form	Lyophilized
Recommend Usage	Immunocytochemistry (1:100) The optimal working dilution should be determined by the end user.
Storage Instruction	Store at 4°C on dry atmosphere. After reconstitution with distilled water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunocytochemistry
- Enzyme-linked Immunoabsorbent Assay

Gene Info — IBSP

Entrez GeneID	3381
Gene Name	IBSP
Gene Alias	BNSP , BSP , BSP-II, SP-II
Gene Description	integrin-binding sialoprotein
Omim ID	147563
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	bone sialoprotein II

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)

Disease

- [Fractures](#)
- [Wounds and Injuries](#)