

MaxPab®

IBSP purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003381-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human IBSP protein.
Immunogen	IBSP (AA11921.1, 1 a.a. ~ 317 a.a) full-length human protein.
Sequence	MKTALILLSILGMACAFSMKNLHRRVKIEDSEENGVFKYRPRYYLYKHAYFYPHLKRFPVQGSSDS SEENGDDSSEEEEEEETSNEGENNEESNEDEDSEAENTTLSATTLGYGEDATPGTGYTGLAAI QLPKKAGDITNKATKEKESDEEEEEEEGNENEESEAEDVENEQGINGTSTNSTEAENGNGSSG GDNGEEGEEESVTGANAEDTTETGRQKGKGTSTTTSPNGGFEPSTPPQVYRTTSPFGKTTTVE YEGEYETGANEDNGYEYSENGEPRGDNYRAYEDEYSYFKGQGYDGYDGQNYHHQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (64); Rat (67)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — IBSP

Entrez GeneID

[3381](#)

GeneBank Accession#	BC111920.1
Protein Accession#	AAI11921.1
Gene Name	IBSP
Gene Alias	BNSP, BSP, BSP-II, SP-II
Gene Description	integrin-binding sialoprotein
Omim ID	147563
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	bone sialoprotein II

Pathway

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

Disease

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