

DNAXPAb

Hard-to-Find
Antibody

IBSP DNAXPab

Catalog # H00003381-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human IBSP DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MKTALILLSILGMACAFSMKNLHRRVKIEDSEENGVFKYRPRYYLYKHAYFYPHLKRFPVQGSSDS SEENGDDSSEEEEEEEEETSNEGENNEESNEDEDSEAENTTLSATTLGYGEDATPGTGYTGLAAI QLPKKAGDITNKATKEKESDEEEEEEEEGNENESEAEVDENEQGINGTSTNSTEAENGNGSSG GDNGEEGEEESVTGANAEDTTETGRQKGKTSKTTTSPNGGFEP TTPQVYRTTSPPF GKTTTVE YEGEYETGANEYDNGYEYSENGEPRGDNYRAYEDEYSYFKGQGYDGYDGQNYHHQ
Host	Rabbit
Reactivity	Human
Purification	Protein A
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](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

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 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. [provided by RefSeq]

Other Designations bone sialoprotein II

Pathway

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

Disease

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