



Mouse anti-Human IBSP monoclonal antibody, clone MO-2 (CABT-B10441)

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

PRODUCT INFORMATION

Immunogen	Native purified IBSP from lymphocytes and SU-DHL4 cell line.
Isotype	IgM
Source/Host	Mouse
Species Reactivity	Human
Clone	MO-2
Conjugate	Unconjugated
Applications	IHC
Format	Liquid
Buffer	In tissue culture supernatant (0.1% sodium azide)
Storage	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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, Jul
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Keywords	IBSP; integrin-binding sialoprotein; BSP; BNSP; SP-II; BSP-II; bone sialoprotein 2; BSP II; bone sialoprotein II; cell-binding sialoprotein;
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GENE INFORMATION

Entrez Gene ID	3381
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UniProt ID	P21815
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Pathway	ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Integrin cell surface interactions, organism-specific biosystem; Osteoblast Signaling, organism-specific biosystem;
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