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## anti-IBSP antibody (Native Form)

3 Images



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#### Overview

Quantity:	0.1 mg
Target:	IBSP
Binding Specificity:	Native Form
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IBSP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA), Immunofluorescence (IF), Radioimmunoassay (RIA), Immunohistochemistry (Frozen Sections) (IHC (fro))

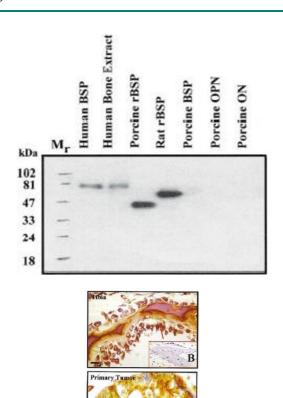
### **Product Details**

Immunogen:	Human Bone Sialoprotein (Bone extract).
Clone:	ID1-2
Isotype:	lgG1
Specificity:	This antibody recognizes Human Bone Sialoprotein, Recombinant Human, Recombinant Porcine and Recombinant Rat BSP. There was no cross reactivity obtained with Human, Porcine Osteonectin and Osteopontin.
Cross-Reactivity (Details):	Species reactivity (tested):Human, Porcine, Rat.
Characteristics:	Synonyms: Bone sialoprotein II, BSP II, IBSP, BNSP, Cell-binding sialoprotein, Integrin-bindingsialoprotein

# **Product Details** Purification: Protein G Chromatography **Target Details** Target: **IBSP** Alternative Name Bone Sialoprotein 2 (IBSP Products) Background: The protein encoded by the Bone Sialoprotein gene is a major structural protein of the bone matrix. It is synthesized by skeletal-associated cell types, including hypertrophic chondrocytes, osteoblasts, osteocytes, and osteoclasts, and it constitutes approximately 12 % of the noncollagenous proteins in human bone. 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.Synonyms: BNSP, BSP II, Bone sialoprotein II, Cell-binding sialoprotein, IBSP, Integrinbinding sialoprotein Gene ID: 3381 UniProt: P21815 **Application Details** Application Notes: ELISA (3). RIA. Western blot: 1/1000 (1,3). Immunocytochemstry: 1/200 (3). Immunohistochemistry on CryoSections, Resin-Embedded Sections: 1/100 (2,3,5,6). Immunohistochemistry on Paraffin Sections: 1/2000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. Restrictions: For Research Use only Handling Reconstitution: Restore in aqua bidest to 1 mg/mL. Buffer: 50 mM TRIS, pH 7.4 4 °C/-20 °C Storage: Storage Comment: Store lyophilized at 2-8 °C and reconstituted at -20 °C. Avoid repeated freezing and thawing. Shelf life: One year from despatch.

12 months

**Expiry Date:** 

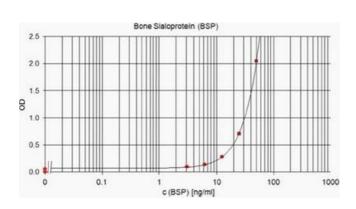


## **Western Blotting**

Image 1.

### **Immunohistochemistry**

Image 2.



## **Flow Cytometry**

Image 3.