Datasheet for ABIN191977
anti-IBSP antibody (Native Form)

## 3 Images



Overview

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

## Product Details

| Immunogen: | Human Bone Sialoprotein (Bone extract). |
| :--- | :--- |
| Clone: | ID1-2 |
| Isotype: | IgG1 |
| 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. |  |
| Characteristics: | Species reactivity (tested):Human, Porcine, Rat. |
|  | Synonyms: Bone sialoprotein II, BSP II, IBSP, BNSP, Cell-binding sialoprotein, Integrin- <br> 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, Integrin- |
|  | binding 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 $1 \mathrm{mg} / \mathrm{mL}$. |
| Buffer: | 50 mM TRIS, pH 7.4 |
| Storage: | $4{ }^{\circ} \mathrm{C} /-20^{\circ} \mathrm{C}$ |
| Storage Comment: | Store lyophilized at $2-8^{\circ} \mathrm{C}$ and reconstituted at $-20^{\circ} \mathrm{C}$. Avoid repeated freezing and thawing Shelf life: One year from despatch. |
| Expiry Date: | 12 months |



## Western Blotting

Image 1.

Immunohistochemistry
Image 2.

Flow Cytometry
Image 3.

