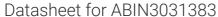
# antibodies - online.com







## anti-IBSP antibody (N-Term)

**Images** 



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|--------|-------|
| ( )\/\ | rview |
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| Overview             |  |
|----------------------|--|
| Quantity:            | 100 μg   |
| Target:              | IBSP   |
| Binding Specificity: | N-Term   |
| Reactivity:          | Human, Mouse, Rat  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This IBSP antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))             |
| Product Details      |  |
| Immunogen:           | An amino acid sequence from the N-terminus of human Bone Sialoprotein 2                        |
|                      | (FSMKNLHRRVKIEDSEEN) was used as the immunogen for this IBSP antibody.                         |
| Isotype:             | IgG  |
| Purification:        | Antigen affinity   |
| Target Details       |  |
| Target:              | IBSP   |
| Alternative Name:    | IBSP / Bone Sialoprotein 2 (IBSP Products)   |
| Background:          | Integrin-binding sialoprotein, also known as Bone sialoprotein and BSP, is a major structural  |
|                      | protein of the bone matrix. Bone sialoprotein is a predicted 35KD acidic glycoprotein that     |
|                      | undergoes extensive posttranslational modifications and is visualized by western blot at up to |

#### **Target Details**

70KD. 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. The BSP gene is mapped to 4q22.1.

UniProt:

P21815

#### **Application Details**

| Application | Notes: |
|-------------|--------|
| Application | NOICS. |

The stated application concentrations are suggested starting amounts. Titration of the IBSP antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot:  $0.5-1 \,\mu\text{g/mL,IHC}$  (Paraffin):  $0.5-1 \,\mu\text{g/mL}$ 

Restrictions:

For Research Use only

### Handling

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|-------------------|------------|--|
| ĸı                | ITT_Cr     |  |
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0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

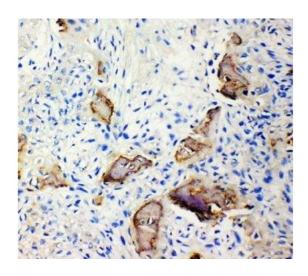
Storage:

-20 °C

Storage Comment:

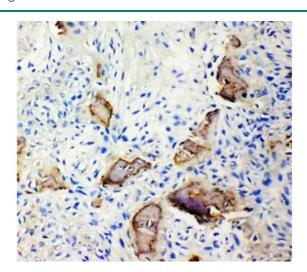
After reconstitution, the IBSP antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

#### **Images**



#### **Immunohistochemistry**

**Image 1.** IHC-P: BSP antibody testing of human osteosarcoma



### **Immunohistochemistry**

**Image 2.** IHC-P: IBSP antibody testing of human osteosarcoma