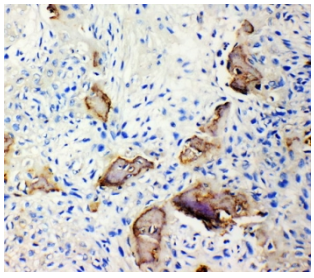
IBSP Antibody / Bone Sialoprotein 2 (R30578)

Catalog No.	Formulation	Size
R30578	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P21815
Localization	Secreted
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This IBSP antibody is available for research use only.



IHC-P: IBSP antibody testing of human osteosarcoma

Description

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 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.

Application Notes

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.

Immunogen

An amino acid sequence from the N-terminus of human Bone Sialoprotein 2 (FSMKNLHRRVKIEDSEEN) was used as the immunogen for this IBSP antibody.

Storage

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

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