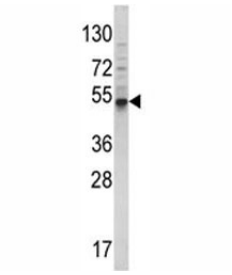
BMP3 Antibody (F45376)

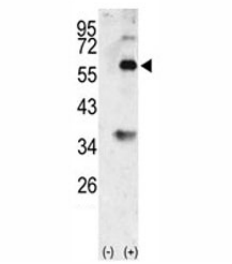
Catalog No.	Formulation	Size
F45376-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F45376-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

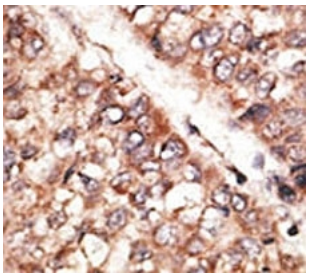
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P12645
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100
Limitations	This BMP3 antibody is available for research use only.



Western blot analysis of BMP3 antibody and 293 lysate. Predicted molecular weight ~55 kDa.



Western blot analysis of BMP3 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the BMP3 gene (2).



IHC analysis of FFPE human hepatocarcinoma tissue stained with the BMP3 antibody

Description

The BMPs belong to the TGF-Beta superfamilyBMPs stimulate the production of bone matrix proteins and thereby alter stromal cell and osteoclast proliferation, a key step in bone marrow development. In addition to promoting ectopic bone and cartilage development, BMPs regulate the growth, differentiation, chemotaxis, proliferation, and apoptosis of various cell types, including mesenchymal cells, epithelial cells, hematopoietic cells, and neuronal cells. BMPs also play a role in dorsal/ventral patterning. BMP3, highly expressed in lung, ovary and small intestine, participates in cartilage and bone formation. BMP3 and BMP2 genes map to conserved regions between human and mouse.

Application Notes

Titration of the BMP3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 8-36 from the human protein was used as the immunogen for this BMP3 antibody.

Storage

Aliquot the BMP3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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