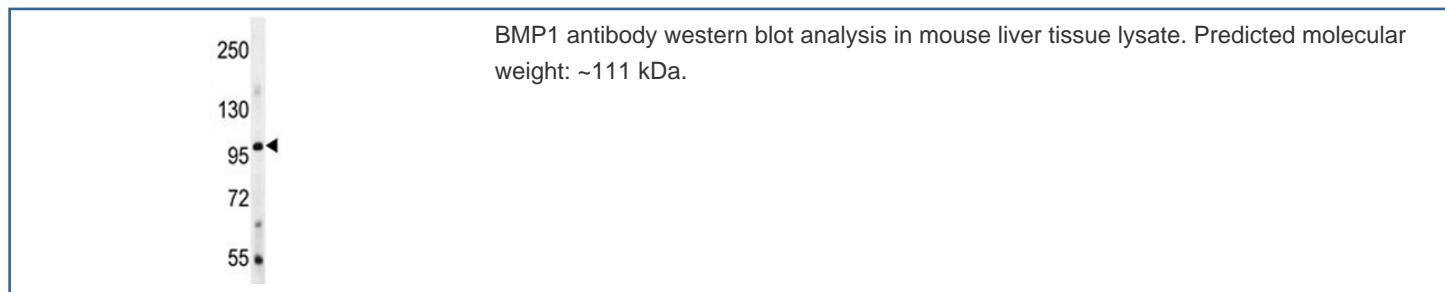
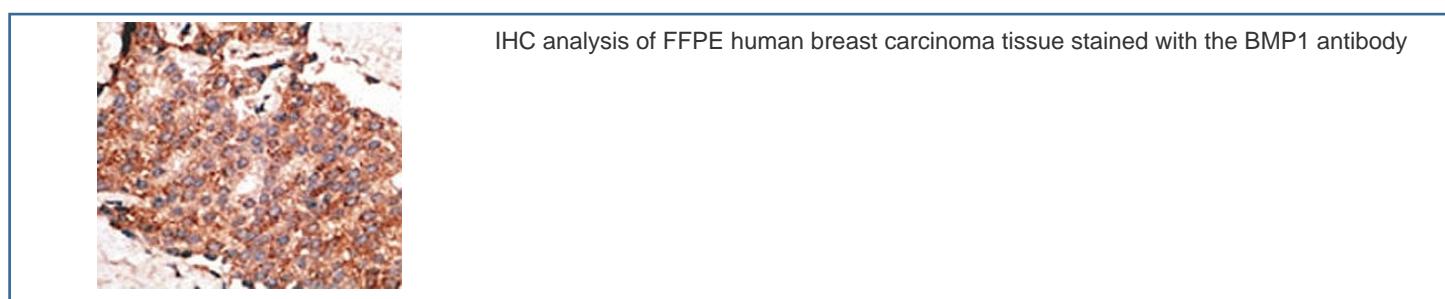


BMP1 Antibody (F45359)

Catalog No.	Formulation	Size
F45359-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F45359-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P13497
Applications	IHC (Paraffin) : 1:50-1:100 Western Blot : 1:1000
Limitations	This BMP1 antibody is available for research use only.



Description

The BMP1 locus encodes a protein that is capable of inducing formation of cartilage in vivo. Although other bone morphogenetic proteins are members of the TGF-beta superfamily, BMP1 encodes a protein that is not closely related to other known growth factors. BMP1 protein and procollagen C proteinase (PCP), a secreted metalloprotease requiring calcium and needed for cartilage and bone formation, are identical. PCP or BMP1 protein cleaves the C-terminal propeptides of procollagen I, II, and III and its activity is increased by the procollagen C-endopeptidase enhancer protein. The BMP1 gene is expressed as alternatively spliced variants that share an N-terminal protease domain but differ in their C-terminal region.

Application Notes

Titration of the BMP1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 957-986 from the human protein was used as the immunogen for this BMP1 antibody.

Storage

Aliquot the BMP1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.