

Product datasheet for **AP20776PU-M**

BMP3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on Paraffin Sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of BMP-3 protein. (region surrounding Glu306)
Formulation:	PBS pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (>95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity-Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 50 kDa
Gene Name:	bone morphogenetic protein 3
Database Link:	<u>Entrez Gene 25667 Rat</u> <u>Entrez Gene 110075 Mouse</u> <u>Entrez Gene 651 Human</u> <u>P12645</u>



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Background:

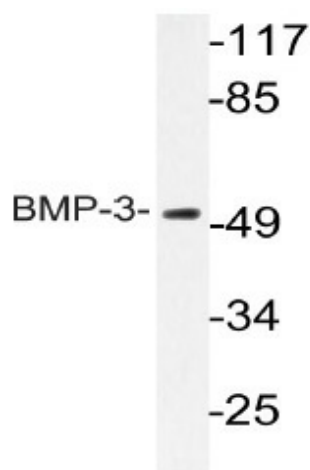
Bone morphogenic proteins (BMPs) are members of the TGFbeta superfamily. BMPs are involved in the induction of cartilage and bone formation. In vivo studies have shown that BMP-2 (also designated BMP-2A) and BMP-3 can independently induce cartilage formation. Smad3 association with the TGFbeta receptor complex and Smad1 translocation to the nucleus are observed after the addition of BMP-4 (also designated BMP-2B), suggesting that BMP-4 may play a role in activation of the Smad pathway. BMP-5, BMP-6 and BMP-7 all share high sequence homology with BMP-2, indicating that they each may be able to induce cartilage formation. BMP-8 (also designated OP-2) is thought to be involved in early development, as detectable expression has not been found in adult organs.

Synonyms:

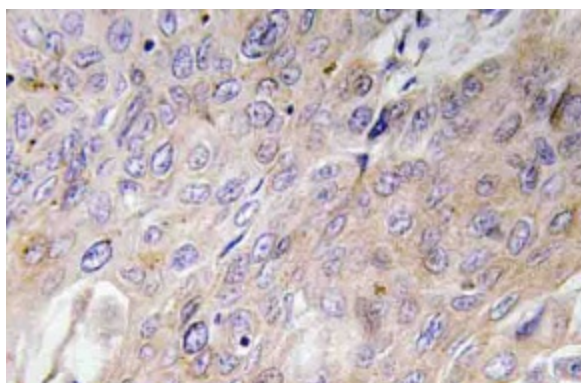
Bone morphogenetic protein 3, Osteogenin, BMP-3A, BMP3A

Protein Families:

Druggable Genome, Secreted Protein

Product images:


Western blot (WB) analyzes of BMP-3 antibody (Cat.-No.: [AP20776PU-N]) in extracts from HeLa cells.



Immunohistochemistry (IHC) analyzes of BMP-3 antibody (Cat.-No.: [AP20776PU-N]) in paraffin-embedded human lung carcinoma tissue.