

Rabbit anti-Mouse Bmp1 Polyclonal Antibody | anti-BMP1 antibody

Bmp1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288932	Rabbit	Mouse	Western Blot, Immunohistochemistry, ELISA

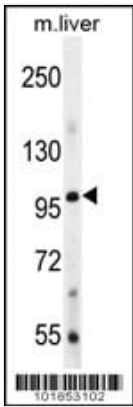
PRODUCT SYNONYMS

Bmp1; Polyclonal Antibody; Bmp1 Antibody (C-term); Bone morphogenetic protein 1; BMP-1; Mammalian tolloid protein; mTld; Procollagen C-proteinase; PCP; BMP1; PCOLC; anti-BMP1 antibody

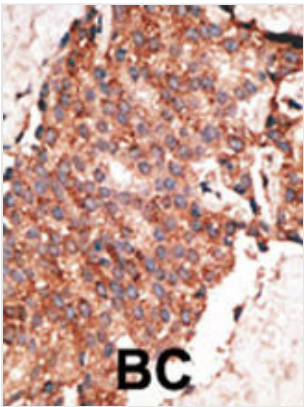
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Bmp1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 957-986 amino acids from the C-terminal region of human Bmp1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	957-986
Sequence Length	823
Applicable Applications for anti-BMP1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Bmp1 Antibody (R972) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the Bmp1 antibody detected the Bmp1 protein (arrow).



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

ADDITIONAL INFORMATION

Related Product Information for anti-BMP1 antibody	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.
Product Categories/Family for anti-BMP1 antibody	Cancer; Cell Biology; Metabolism; Signal transduction
References	Leighton, M., et al., J. Biol. Chem. 278(20):18478-18484 (2003). Hartigan, N., et al., J. Biol. Chem. 278(20):18045-18049 (2003). Garrigue-Antar, L., et al., J. Biol. Chem. 277(45):43327-43334 (2002). Rattenholl, A., et al., J. Biol. Chem. 277(29):26372-26378 (2002). Janitz, M., et al., J. Mol. Med. 76(2):141-146 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502421
NCBI GeneID	649
NCBI Accession #	NP_001190.1; NP_006120.1
NCBI GenBank Nucleotide #	NM_001199.3
UniProt Accession #	P13497; Q13292; Q13872; Q14874; Q99421; Q99422; Q99423; Q9UL38; A8K6F5; B2RN46; D3DSR0
Molecular Weight	111249
NCBI Official Full Name	bone morphogenetic protein 1 isoform 1
NCBI Official Synonym Full Names	bone morphogenetic protein 1
NCBI Official Symbol	BMP1
NCBI Official Synonym Symbols	PCP; TLD; OI13; PCP2; PCOLC
NCBI Protein Information	bone morphogenetic protein 1
UniProt Protein Name	Bone morphogenetic protein 1

UniProt Gene Name	BMP1
UniProt Synonym Gene Names	PCOLC; BMP-1; mTld; PCP
UniProt Entry Name	BMP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/bmp1-antibody-western-blot-immunohistochemistry-elisa/288932>