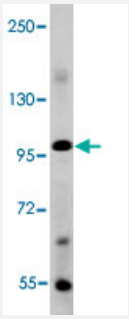
BMP1 polyclonal antibody

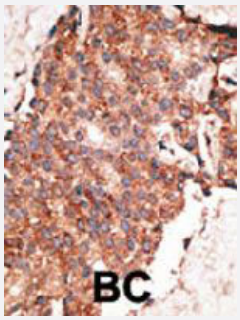
Catalog # PAB3670 Size 400 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of mouse liver tissue lysate (35 ug/lane) with BMP1 polyclonal antibody (Cat # PAB3670).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with BMP1 polyclonal antibody (Cat # PAB3670) , 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.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BMP1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human BMP1.
Host	Rabbit
Reactivity	Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

  Western blot analysis of mouse liver tissue lysate (35 ug/lane) with BMP1 polyclonal antibody (Cat # PAB3670).

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Gene Info — BMP1

Entrez GeneID	649
Protein Accession#	P13497
Gene Name	BMP1
Gene Alias	FLJ44432, PCOLC, PCP, TLD, pCP-2
Gene Description	bone morphogenetic protein 1
Omim ID	112264
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that is capable of inducing formation of cartilage in vivo. Although ot her bone morphogenetic proteins are members of the TGF-beta superfamily, this gene encodes a protein that is not closely related to other known growth factors. This gene is expressed as alterna tively spliced variants that share an N-terminal protease domain but differ in their C-terminal regio n. [provided by RefSeq
Other Designations	procollagen C-endopeptidase|procollagen C-proteinase

Publication Reference

- Paired basic/Furin-like proprotein convertase cleavage of Pro-BMP-1 in the trans-Golgi network.

  Leighton M, Kadler KE.

  The Journal of Biological Chemistry 2003 May; 278(20):18478.

- Bone morphogenetic protein-1 (BMP-1). Identification of the minimal domain structure for procollagen C-proteinase activity.

  Hartigan N, Garrigue-Antar L, Kadler KE.

  The Journal of Biological Chemistry 2003 Mar; 278(20):18045.

- Post-translational modification of bone morphogenetic protein-1 is required for secretion and stability of the protein.

  Garrigue-Antar L, Hartigan N, Kadler KE.

  The Journal of Biological Chemistry 2002 Nov; 277(45):43327.

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Colorectal Neoplasms
- Diabetes Complications
- Genetic Predisposition to Disease
- Kidney Failure
- Metabolic Syndrome X
- Microsatellite Instability
- Neoplasms
- Osteoporosis
- Ovarian Neoplasms
- Stomach Neoplasms