

BMP8b Rabbit pAb

Catalog # AP97907

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P34820
Other Accession	P34820
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44768
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BMP8B
Epitope Specificity	241-340/402
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the TGF-beta family.
SUBUNIT	Homodimer; disulfide-linked.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. The encoded protein stimulates thermogenesis in brown adipose tissue. Expression of this gene may be downregulated in pancreatic cancer. This gene may have arose from a gene duplication event and its gene duplicate is also present on chromosome 1. [provided by RefSeq, Jul 2016]

Additional Information

Gene ID	656
Other Names	BMP8; OP2; Op3; BMP8B_HUMAN; BMP8B; BMP-8; BMP-8B; Osteogenic protein 2 (OP-2); BMP8B_MOUSE; bone morphogenetic protein 8b; bone morphogenetic protein 8 (osteogenic protein 2); osteogenic protein 2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	BMP8B
Synonyms	BMP8
Function	Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis (By similarity).
Cellular Location	Secreted.

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