

BMP-7 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00930
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human BMP-7. AA range:124-173
Mol wt	49313
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	BMP-7 Antibody
Synonyms	BMP7; OP1; Bone morphogenetic protein 7; BMP-7; Osteogenic protein 1; OP-1; Eptotermin alfa

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

BMP7 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, which plays a role in bone, kidney and brown adipose tissue development. Additionally, this protein induces ectopic bone formation and may promote fracture healing in human patients.

Recommended Dilution

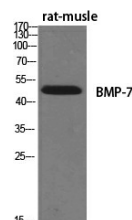
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

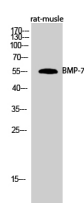
ELISA: 1: 40000

Not yet tested in other applications.

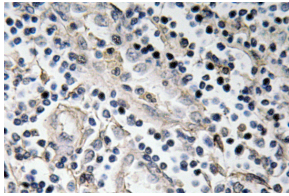
Images



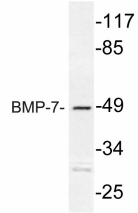
Western Blot analysis of various cells using BMP-7 Polyclonal Antibody diluted at 1:500



Western Blot analysis of rat-muscle cells using BMP-7 Polyclonal Antibody diluted at 1:500



Immunohistochemistry analysis of BMP-7 antibody in paraffin-embedded human tonsil tissue.



Western blot analysis of lysate from Jurkat cells, using BMP-7 antibody.

Storage

-20°C for one year

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