

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

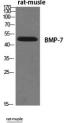
BMP7 encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically 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.

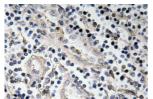
Images



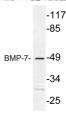
Western Blot analysis of various cells using BMP-7 Polyclonal Antibody diluted at 1:500

15— rat-musle 133— 100— 770— 55— 8MP-7 40— 35— 15—

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



 $Immun ohistochem is try\ analysis\ of\ BMP-7\ antibody\ in\ paraffin-embedded\ human\ tonsil\ tissue.$



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

Storage

-20°C for one year

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