

BMP2 Polyclonal Antibody

Catalog No. E-AB-60027

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

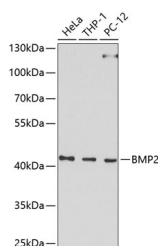
Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein of human BMP2 (NP_001191.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Applications

Recommended Dilution

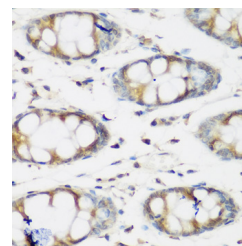
WB	1:500-1:2000
IHC	1:50-1:100

Data

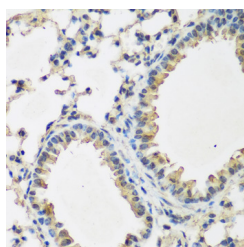


Western blot analysis of extracts of various cell lines using BMP2 Polyclonal Antibody at dilution of 1:1000.

Observed Mw:45kDa
Calculated Mw:44kDa



Immunohistochemistry of paraffin-embedded Human colon using BMP2 Polyclonal Antibody at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse lung using BMP2 Polyclonal Antibody at dilution of 1:200 (40x lens).

Preparation & Storage

For Research Use Only

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

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, which plays a role in bone and cartilage development. Duplication of a regulatory region downstream of this gene causes a form of brachydactyly characterized by a malformed index finger and second toe in human patients.