

A12781

Leader in Biomolecular Solutions for Life Science



BMP2 Rabbit pAb

Catalog No.: A12781

Basic Information

Observed MW

42kDa

Calculated MW

45kDa

Category

Polyclonal Antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

650

Swiss Prot

P12643

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human BMP2 (NP_001191.1).

Synonyms

BDA2; BMP2A; SSFSC; SSFSC1; BMP2

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

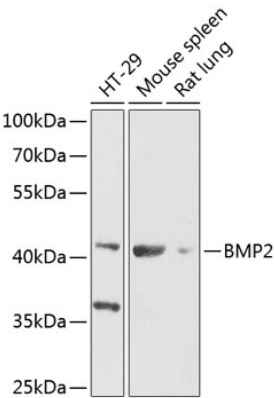
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using BMP2 Antibody (A12781) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 30s.