Recombinant BMP-2 Monoclonal Antibody

catalog number: **AN300061P**

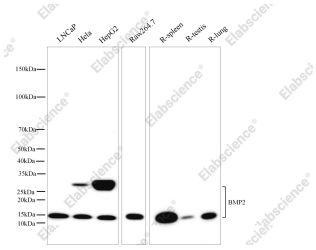
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human / Mouse / Rat / Rhesus / Canine BMP-2 protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C110049
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
IHC	1:200-1:1000
WB	1:1000-1:5000
IF	1:200-1:1000
ELISA	1:5000-1:20000

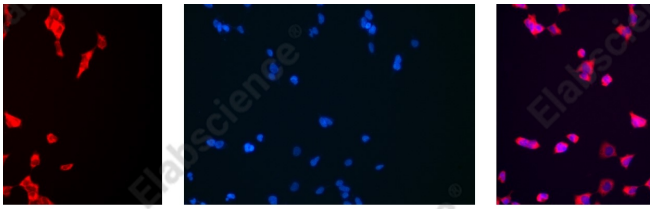
Data



Western blot analysis of LNCaP,Hela,HepG2,Raw264.7,Rat spleen,Rat lung and Rat testis cell lysates using BMP-2 Antibody (AN300061P) at a dilution of 1:1500.

Observed-MW:30kD,13kD

Calculated-MW:45kD,13kD



A B C

Immunofluorescence analysis of HEK293. Picture A: BMP2 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B.



A B C

Immunofluorescence analysis of HEK293. Picture A: BMP2 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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. [provided by RefSeq, Jul 2016]

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