

Recombinant BMP2 Monoclonal Antibody

catalog number: AN302121L

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

Description

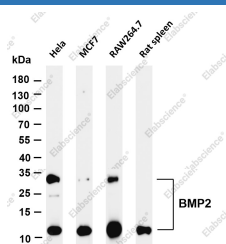
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant protein corresponding to Mouse BMP2
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111742
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

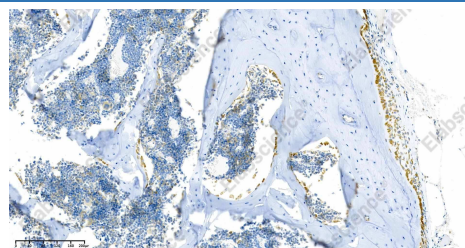
IHC	1:200-1:1000
WB	1:1000-1:5000
IF	1:200-1:1000
ELISA	1:5000-1:2000

Data

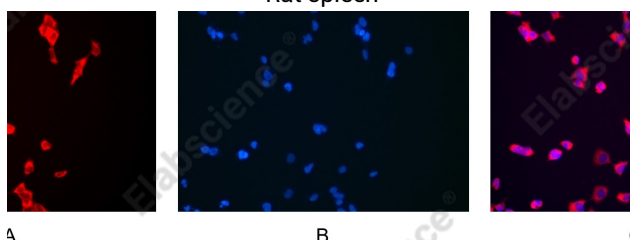


Lane 1: Hela, Lane 2: MCF7, Lane 3: RAW264.7, Lane 4:

Rat spleen



Rat spine was stained with anti-BMP2 Rabbit antibody.



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

For Research Use Only

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Web: www.elabscience.com

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Rev. V1.3

Bone morphogenetic protein-2(BMP-2) is a member of the transforming growth factor-beta (TGFB) superfamily. BMP2 is synthesized as a 60 kDa precursor that is processed in the secretory pathway to a small 18 kDa monomer, 2 monomers then associate to form the active 30 kDa homodimer, which binds to its receptor. There is also a 40-45 kDa form of BMP2, as an amino-terminal propeptide. BMP2 can induce bone formation and regeneration during early embryonic development. It is involved in the hedgehog pathway, TGF beta signaling pathway and cytokine-cytokine receptor interaction.