

BMP7 Polyclonal Antibody

catalog number: E-AB-90023

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

Description

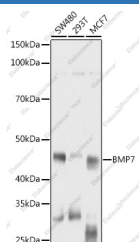
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of human BMP7
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

Recommended Dilution

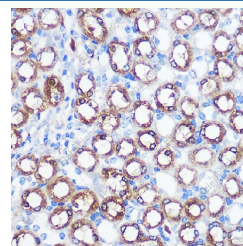
WB	1:500-1:2000
IHC	1:50-1:200
IF	1:50-1:200

Data

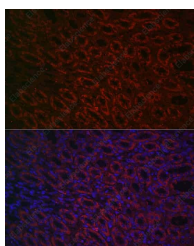


Western blot analysis of extracts of various cell lines using BMP7 Polyclonal Antibody at 1:1000 dilution.

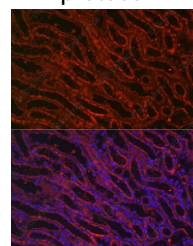
Observed-MW:49 kDa
Calculated-MW:49 kDa



Immunohistochemistry of paraffin-embedded mouse kidney using BMP7 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of rat kidney cells using BMP7 Polyclonal Antibody at dilution of 1:100 (40x lens).
Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse kidney cells using BMP7 Polyclonal Antibody at dilution of 1:100 (40x lens).
Blue: DAPI for nuclear staining.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

For Research Use Only

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Rev. V1.8

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, kidney and brown adipose tissue development. Additionally, this protein induces ectopic bone formation and may promote fracture healing in human patients.