

BMP6 Antibody

Rabbit mAb Catalog # AP92149

Specification

BMP6 Antibody - Product Information

Application Primary Accession Reactivity Clonality

Other Names

Bmp6; DVR6; VGR; VGR1;

Isotype Host Calculated MW

BMP6 Antibody - Additional Information

Purification Immunogen

Description Storage Condition and Buffer **Affinity-chromatography**

WB, IHC, FC, ICC

P22004

Monoclonal

Rabbit IgG

57226 Da

Rabbit

Rat

A synthesized peptide derived from human

BMP6

Induces cartilage and bone formation. Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at $+4^{\circ}$ C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

BMP6 Antibody - Protein Information

Name BMP6

Synonyms VGR

Function

Growth factor of the TGF-beta superfamily that plays essential roles in many developmental processes including cartilage and bone formation (PubMed:31019025). Also plays an important role in the regulation of HAMP/hepcidin expression and iron metabolism by acting as a ligand for hemojuvelin/HJV (PubMed:26582087). Also acts to promote expression of HAMP, potentially via the interaction with its receptor BMPR1A/ALK3 (PubMed:30097509, PubMed:31800957). Initiates the canonical BMP signaling cascade by associating with type I receptor ACVR1 and type II receptor ACVR2B (PubMed:<a href="http://www.uniprot.org/citations/18070108"

target="_blank">18070108). In turn, ACVR1 propagates signal by phosphorylating SMAD1/5/8 that travel to the nucleus and act as activators and repressors of transcription of



target. Can also signal through non-canonical pathway such as TAZ-Hippo signaling cascade to modulate VEGF signaling by regulating VEGFR2 expression (PubMed:33021694).

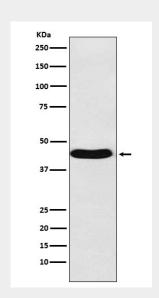
Cellular Location Secreted.

BMP6 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BMP6 Antibody - Images



Western blot analysis of BMP6 expression in Saos-2 cell lysate.