

# BMP6 Rabbit mAb

Catalog # AP78083

## Product Information

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|--------------------------|---|
| <b>Application</b>       | WB, IHC-P, IF, FC, ICC                        |
| <b>Primary Accession</b> | <a href="#">P22004</a>                        |
| <b>Reactivity</b>        | Rat, Human, Mouse                             |
| <b>Host</b>              | Rabbit  |
| <b>Clonality</b>         | Monoclonal Antibody                           |
| <b>Isotype</b>           | IgG   |
| <b>Conjugate</b>         | Unconjugated                                  |
| <b>Immunogen</b>         | A synthesized peptide derived from human BMP6 |
| <b>Purification</b>      | Affinity Chromatography                       |
| <b>Calculated MW</b>     | 57226   |

## Additional Information

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|--------------------|--|
| <b>Gene ID</b>     | 654  |
| <b>Other Names</b> | BMP6   |
| <b>Dilution</b>    | WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 FC~~1:10~50 ICC~~N/A                                      |
| <b>Format</b>      | Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| <b>Storage</b>     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.           |

## Protein Information

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|-----------------|--|
| <b>Name</b>     | BMP6   |
| <b>Synonyms</b> | VGR  |
| <b>Function</b> | Growth factor of the TGF-beta superfamily that plays essential roles in many developmental processes including cartilage and bone formation (PubMed: <a href="#">31019025</a> ). Also plays an important role in the regulation of HAMP/hepcidin expression and iron metabolism by acting as a ligand for hemojuvelin/HJV (PubMed: <a href="#">26582087</a> ). Also acts to promote expression of HAMP, potentially via the interaction with its receptor BMPR1A/ALK3 (PubMed: <a href="#">30097509</a> , PubMed: <a href="#">31800957</a> ). Initiates the canonical BMP signaling cascade by associating with type I receptor ACVR1 and type II receptor ACVR2B (PubMed: <a href="#">18070108</a> ). 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 |

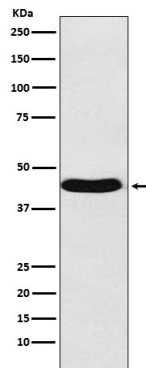
VEGF signaling by regulating VEGFR2 expression (PubMed:[33021694](#)).

**Cellular Location**

Secreted.

**Images**

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