

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **BMP4 RABBIT MAB**

Cat.#: N261929

**Product Name:** Anti-BMP4 Rabbit Monoclonal Antibody

Synonyms: BMP4; BMP2B; DVR4; Bone morphogenetic protein 4; BMP-4;

Bone morphogenetic protein 2B; BMP-2B

UNIPROT ID: P12644

**Background:** Bone morphogenetic proteins (BMPs) were first identified as molecules that can induce ectopic bone and cartilage formation. BMPs belongs to the TGF-β superfamily, playing many diverse functions during development. BMPs are synthesized as precursor proteins and then processed by cleavage to release the c-terminal mature BMP. BMPs initiate signaling by binding to a receptor complex containing type I and type II serine/threonine receptor kinases that then phosphorylate Smad (mainly Smad1, 5 and 8), resulting the translocation of Smad into the nucleus. BMP was also reported to activate MAPK pathways in some systems.

Immunogen: A synthetic peptide of human BMP4

**Applications:** WB,ICC/IF,IP

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20

**Host Species:** Rabbit

Clonality: Rabbit Monoclonal

**Clone ID:** R01-2G4

MW: Calculated MW: 47 kDa; Observed MW: 47 kDa

Isotype: IgG

Purification: Affinity Purified Species Reactivity: Human Conjugation: Unconjugated Modification: Unmodified

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50%

glycerol, 0.5% BSA and 0.02% sodium azide

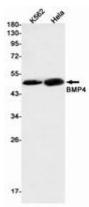
Research Areas: Cardiovascular

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

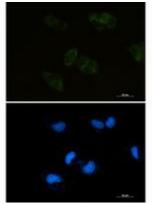


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Western blot analysis of BMP4 in K562, Hela lysates using BMP4 antibody.



Immunocytochemistry analysis of BMP4 (green) in HEPG2 using BMP4 antibody, and DAPI(blue).