

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

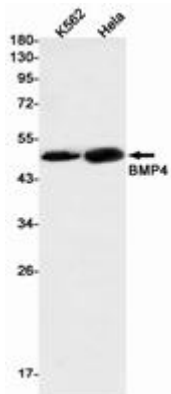
Conjugation: Unconjugated

Modification: Unmodified

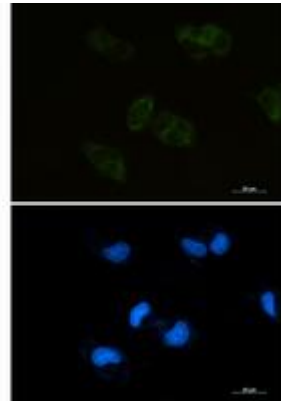
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Cardiovascular

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



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).