

## BMP2

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:100

**Calculated MW:** 44kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human BMP2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

prt

**Synonym:**

bmp2 ; BMP 2A; BMP 2; BMP2A; bone morphogenetic protein 2; Bone morphogenetic protein 2A

**Catalog #:** A0231

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 650

**Isotype:** IgG

**Swiss Prot:** P12643

**Purity:** Affinity purification

For research use only.

**Background:**

Bone morphogenetic proteins (BMPs) were first identified as molecules that can induce ectopic bone and cartilage formation (1,2). BMPs are synthesized as precursor proteins that are processed by cleavage to produce mature proteins. 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 in the translocation of Smad to the nucleus. BMP was also reported to activate MAPK pathways in some systems (3,4).

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