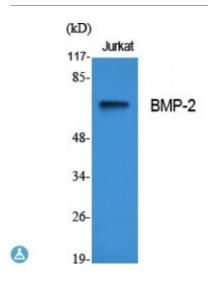


## Anti-BMP-2 antibody



**Description** Rabbit polyclonal to BMP-2.

Model STJ91863

**Host** Rabbit

**Reactivity** Human, Mouse, Rat

**Applications** ELISA, IHC, WB

**Immunogen** Synthesized peptide derived from human BMP-2.

Immunogen Region Internal

Gene ID 650

Gene Symbol BMP2

**Dilution range** WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000

**Specificity** BMP-2 Polyclonal Antibody detects endogenous levels of BMP-2 protein.

Tissue Specificity Particularly abundant in lung, spleen and colon and in low but significant

levels in heart, brain, placenta, liver, skeletal muscle, kidney, pancreas,

prostate, ovary and small intestine.

**Purification** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Note** For Research Use Only (RUO).

**Protein Name**Bone morphogenetic protein 2 BMP-2 Bone morphogenetic protein 2A

BMP-2A

Molecular Weight 60 kDa

**Clonality** Polyclonal

**Conjugation** Unconjugated

**Isotype** IgG

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

**Concentration** 1 mg/ml

**Storage Instruction** Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links HGNC:1069OMIM:112261

Alternative Names Bone morphogenetic protein 2 BMP-2 Bone morphogenetic protein 2A

BMP-2A

**Function** Induces cartilage and bone formation . Stimulates the differentiation of

myoblasts into osteoblasts via the EIF2AK3-EIF2A- ATF4 pathway. BMP2 activation of EIF2AK3 stimulates phosphorylation of EIF2A which leads to increased expression of ATF4 which plays a central role in osteoblast differentiation. In addition stimulates TMEM119, which upregulates the

expression of ATF4.

Cellular Localization Secreted.

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