

BMP2 Rabbit mAb

Catalog No: #52178

Package Size: #52178-1 50ul #52178-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

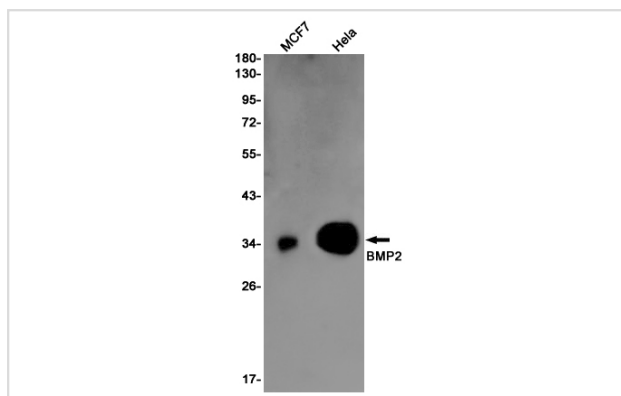
Description

Product Name	BMP2 Rabbit mAb
Clone No.	S03-3H9
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human
Immunogen Description	Recombinant protein of human BMP2
Conjugates	Unconjugated
Modification	Unmodification
Other Names	BDA2; BMP2A; SSFSC
Accession No.	Swiss-Prot:P12643GeneID:650
Calculated MW	Calculated MW: 45 kDa; Observed MW: 30 kDa
Formulation	50nM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/1000;

Images



Western blot detection of BMP2 in MCF7, HeLa cell lysates using BMP2 Rabbit mAb (1:1000 diluted). Predicted band size: 45 kDa. Observed band size: 30 kDa.

Background

Swiss-Prot Acc.P12643. Induces cartilage and bone formation (PubMed:3201241). 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 (PubMed:24362451).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.