

Datasheet for ABIN7265905
anti-BMP2 antibody (AA 739-1038)



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1 Image

Overview

Quantity:	100 µL
Target:	BMP2
Binding Specificity:	AA 739-1038
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMP2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	BMP2 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 739-1038 of human BMP2 (NP_001195.2).
Sequence:	PTQIYPLPKQ QNLPKRPTSL PLNTKNSTKE PRLKFGSKHK SNLKQVETGV AKMNTINAAE PHVVTVTMNG VAGRNHSVNS HAATTQYANG TVLSGQTTNI VTHRAQEMLQ NQFIGEDTRL NINSSPDEHE PLLRREQQAG HDEGVLDRLV DRRERPLEGG RTNSNNNNSN PCSEQDVLAQ GVPSTAADPG PSKPRRAQRP NSLDLSATNV LDGSSIQIGE STQDGKSGSG EKIKKRVKTP YSLKRWRPST WVISTESLDC EVNNNGSNRA VHSKSSTAVY LAEGGTATTM VSKDIGMNCL
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: BMPR2

Alternative Name: [BMPR2 \(BMPR2 Products\)](#)

Background: This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of transmembrane serine/threonine kinases. The ligands of this receptor are BMPs, which are members of the TGF-beta superfamily. BMPs are involved in endochondral bone formation and embryogenesis. These proteins transduce their signals through the formation of heteromeric complexes of two different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas type I receptors require their respective type II receptors for ligand binding. Mutations in this gene have been associated with primary pulmonary hypertension, both familial and fenfluramine-associated, and with pulmonary venoocclusive disease.,BMPR2,BMPR-II,BMPR3,BMR2,BRK-3,POVD1,PPH1,T-ALK,Signal Transduction,Kinase,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Bone,Growth factor,Stem Cells,Mesenchymal Stem Cells,Cardiovascular,Heart,Hypertrophy,Receptors,BMPR2

Molecular Weight: 59kDa/115kDa

Gene ID: 659

UniProt: [Q13873](#)

Pathways: [Growth Factor Binding](#)

Application Details

Application Notes: WB,1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

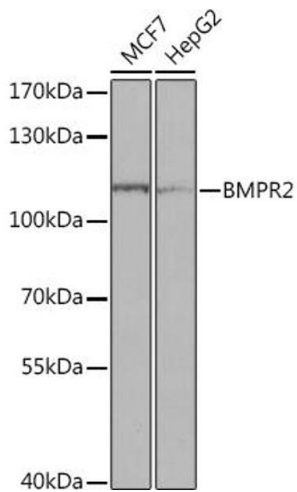
Handling

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using BMPR2 Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).