

Datasheet for ABIN6137608  
**anti-BMP2 antibody (AA 27-150)**



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3 Images

1 Publication

## Overview

Quantity:	100 µL
Target:	BMP2
Binding Specificity:	AA 27-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 27-150 of human BMP2 (NP_001195.2).
Sequence:	SQNQERLCAF KDPYQQDLGI GESRISHENG TILCSKGSTC YGLWEKSKGD INLVKQGCWS HIGDPQECHY EECVVTTTPP SIQNGTYRFC CCSTDLCNVN FTENFPPPD TPLSPPHSFN RDET
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	BMPR2
Alternative Name:	BMPR2 ( <a href="#">BMPR2 Products</a> )
Background:	<p>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 &amp; Developmental Biology,Cytoskeleton,Extracellular Matrix,Bone,Growth factor,Stem Cells,Mesenchymal Stem Cells,Cardiovascular,Heart,Hypertrophy,Receptors,BMPR2</p>
Molecular Weight:	59 kDa/115 kDa
Gene ID:	659
UniProt:	<a href="#">Q13873</a>
Pathways:	<a href="#">Growth Factor Binding</a>

## Application Details

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Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

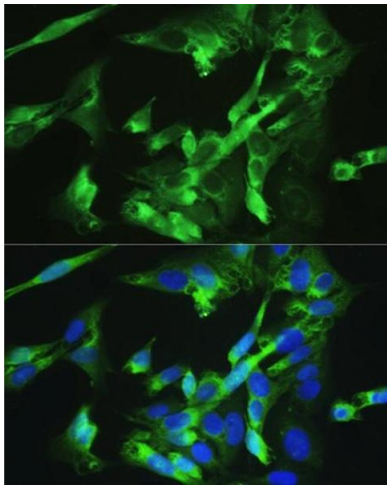
Storage: -20 °C

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

## Publications

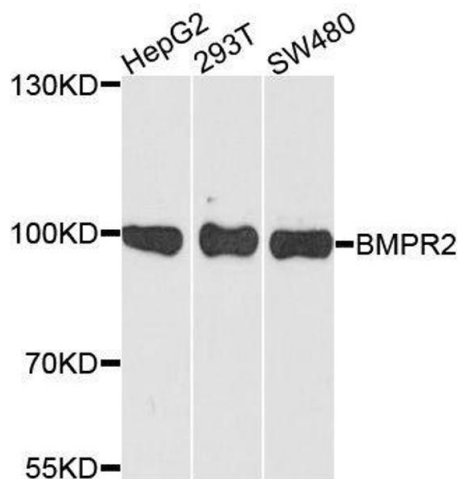
Product cited in: Shi, Zhu, Wei, Fu, Wang, Liu, Zhang, Liang, Xing, Wang, Wang: "Baicalein attenuates monocrotaline-induced pulmonary arterial hypertension by inhibiting endothelial-to-mesenchymal transition." in: **Life sciences**, Vol. 207, pp. 442-450, (2018) ([PubMed](#)).

## Images



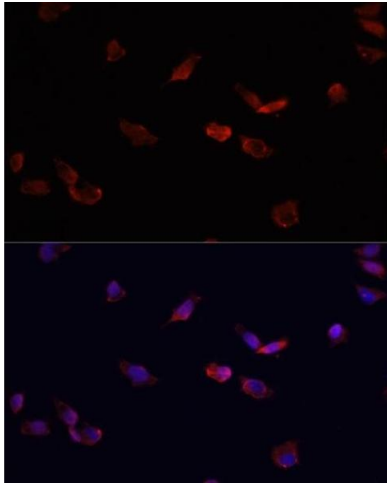
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U-2OS cells using BMPR2 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using BMPR2 antibody.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of HeLa cells using BMP2 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.