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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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BMP2 monoclonal antibody (M09), clone 4G7

Catalog # : H00000659-M09

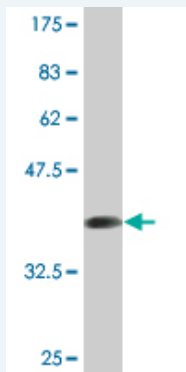
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant BMP2.
Immunogen:	BMP2 (NP_001195.2, 939 a.a. ~ 1037 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	NSLDLSATNVLGSSIQIGESTQDGKSGSGEKIKRVRTPYSLKRWRPST WVISTESLDCEVNNNGSNRAVHSKSSTAVYLAEGGTATTMVSKDIGMNC
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.63 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

Applications

Western Blot (Recombinant protein)

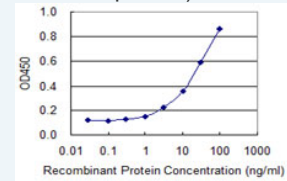
[Protocol Download](#)

Sandwich ELISA (Recombinant protein)

Application Image

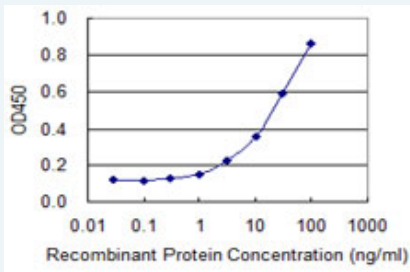
Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)




[enlarge](#)

ELISA



Detection limit for recombinant GST tagged BMPR2 is 0.3 ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [659](#)

GeneBank [NM_001204](#)

Accession#:

Protein [NP_001195.2](#)

Accession#:

Gene Name: BMPR2

Gene Alias: BMPR-II, BMPR3, BMR2, BRK-3, FLJ41585, FLJ76945, PPH1, T-ALK

Gene Description: bone morphogenetic protein receptor, type II (serine/threonine kinase)

Omim ID: [178600](#), [265450](#), [600799](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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. [provided by RefSeq]

Other Designations: BMP type II receptor, bone morphogenetic protein receptor type II, bone morphogenetic protein receptor type-2, primary pulmonary hypertension 1, serine/threonine kinase, type II activin receptor-like kinase, type II receptor for bone morphogenetic protein-4

Gene Pathway

[Cytokine-cytokine receptor interaction](#) [TGF-beta signaling pathway](#)

Related Disease

[Adenomatous Polyposis Coli](#) [Anemia](#), [Sickle Cell Anemia](#), [sickle cell Anoxia](#) [Cardiovascular Diseases](#) [Cleft Lip](#) [Cleft Palate](#) [Colon cancer](#) [Colonic Neoplasms](#) [Colorectal Neoplasms](#) [Genetic Predisposition to Disease](#) [Heart Defects](#), [Congenital Heart Diseases](#) [Hypertension](#) [Hypertension, Pulmonary](#) [Liver Cirrhosis](#) [Microsatellite Instability](#) [Obesity](#) [Ovarian Failure](#), [Premature](#)

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