

Datasheet for ABIN968987

anti-BMPR2 antibody

4 Images

2 Publications

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Overview

| | |
|--------------|--|
| Quantity: | 100 µL |
| Target: | BMPR2 |
| Reactivity: | Human, Mouse, Rat, Monkey |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

| | |
|---------------|--|
| Immunogen: | Purified recombinant fragment of human BMPR2 expressed in E. coli. |
| Clone: | 1F12 |
| Isotype: | IgG1 |
| Purification: | purified |

Target Details

| | |
|-------------------|--|
| Target: | BMPR2 |
| Alternative Name: | BMPR2 (BMPR2 Products) |
| Background: | Description: 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 |

Target Details

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)

Aliases: BMR2, PPH1, BMPR3, BRK-3, T-ALK, BMPR-II, FLJ41585, FLJ76945, BMPR2

Molecular Weight: 115 kDa

Gene ID: 659

HGNC: 659

Pathways: [Growth Factor Binding](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

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

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

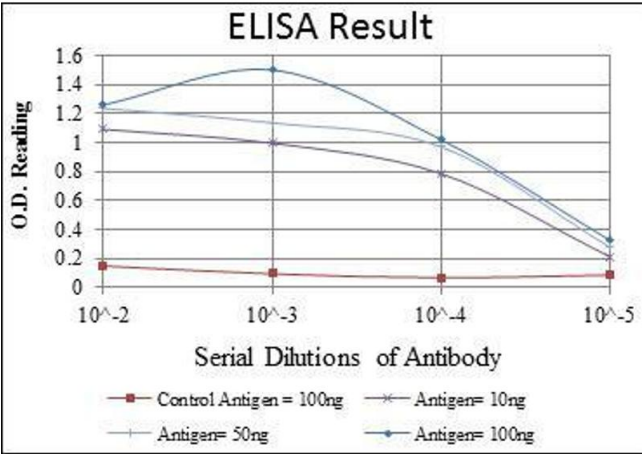
Publications

Product cited in: Leitinger, Kwan: "The discoidin domain receptor DDR2 is a receptor for type X collagen." in: **Matrix biology : journal of the International Society for Matrix Biology**, Vol. 25, Issue 6, pp. 355-64, (2006) ([PubMed](#)).

Shyu, Chao, Wang, Kuan: "Regulation of discoidin domain receptor 2 by cyclic mechanical

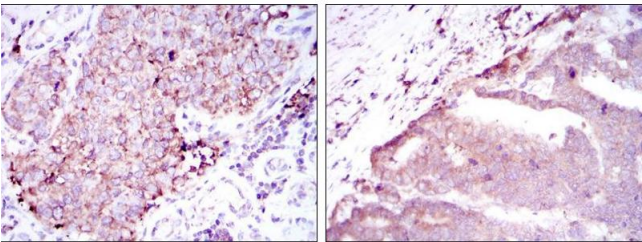
stretch in cultured rat vascular smooth muscle cells." in: **Hypertension**, Vol. 46, Issue 3, pp. 614-21, (2005) ([PubMed](#)).

Neale, Kenny, Gershwin: "Cloning and sequencing of protein kinase cDNA from harbor seal (Phoca vitulina) lymphocytes." in: **Clinical & developmental immunology**, Vol. 11, Issue 2, pp. 157-63, (2004) ([PubMed](#)).



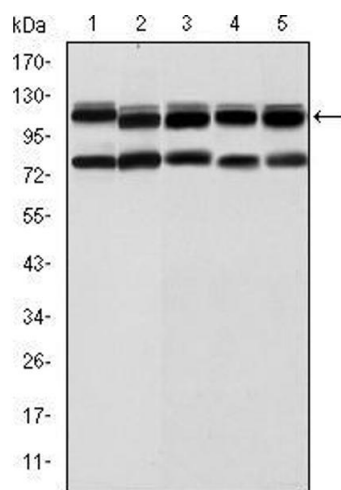
ELISA

Image 1. Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded kidney cancer tissues (left) and stomach cancer tissues (right) using BMPR2 mouse mAb with DAB staining.



Western Blotting

Image 3. Western blot analysis using BMPR2 mouse mAb against HeLa (1), A431 (2), NIH/3T3 (3), Cos7 (4) and PC-12 (5) cell lysate.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN968987.