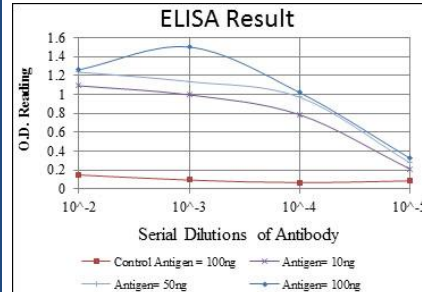




**Category: Monoclonal Antibodies Cat. #: MAB-606030183**  
**Product Name: Mouse Monoclonal Antibody to BMPR2**

#### Elisa



#### IHC-P (paraffin)

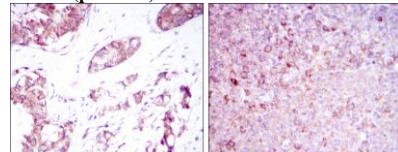


Figure 2:

Immunohistochemical analysis of paraffin-embedded breast cancer tissues (left) and tonsil tissues (right) using BMPR2 mouse mAb with DAB staining.

#### IHC-P (paraffin)

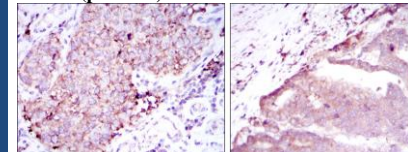


Figure 3: Immunohistochemical analysis of paraffin-embedded kidney cancer tissues (left) and stomach cancer tissues (right) using BMPR2 mouse mAb with DAB staining.

#### Western Blotting

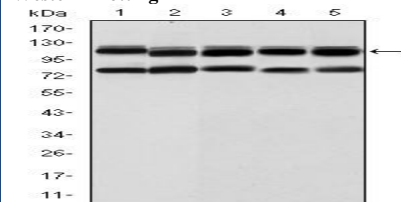


Figure 1: Western blot analysis using BMPR2 mouse mAb against Hela (1), A431 (2), NIH/3T3 (3), Cos7 (4) and PC-12 (5) cell lysate.

Lot#:

Clone#: 1F12

Host and isotype: Mouse IgG1

Size: 0.1ml

MW: 115kDa

Entrez Gene: 659

Species reactivity: Human; Mouse; Rat; Monkey

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

#### 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 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)

#### Immunogen

Purified recombinant fragment of human BMPR2 expressed in E. Coli.

#### Applications

Western Blotting: 1/500 - 1/2000.

Immunohistochemistry: 1/200 - 1/1000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

#### Formulation

Ascitic fluid containing 0.03% sodium azide.

#### Storage

Store at 4°C, for long term storage, store at -20°C.

#### Related product

#### References

1. J Heart Lung Transplant. 2008 Jun;27(6):668-74.
2. Genet Med. 2008 May;10(5):359-65.

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