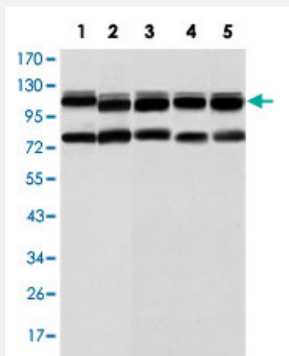


BMPR2 monoclonal antibody, clone 1F12

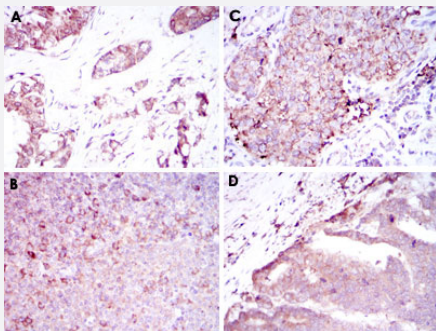
Catalog # MAB10454 Size 100 uL

Applications



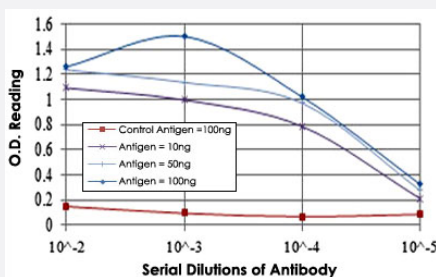
Western Blot (Cell lysate)

Western blot analysis of BMPR2 monoclonal antibody, clone 1F12 (Cat # MAB10454) against HeLa (1), A-431 (2), NIH/3T3 (3), COS-7 (4) and PC-12 (5) cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue (A), tonsil tissue (B), kidney cancer tissue (C) and stomach cancer tissue (D) using BMPR2 monoclonal antibody, clone 1F12 (Cat # MAB10454) with DAB staining.



Enzyme-linked Immunoabsorbent Assay

ELISA measurement of BMPR2 monoclonal antibody, clone 1F12 (Cat # MAB10454).

Specification

Product Description

Mouse monoclonal antibody raised against recombinant BMPR2.

Immunogen	Recombinant protein corresponding to human BMPR2.
Host	Mouse
Theoretical MW (kDa)	115
Reactivity	Human, Monkey, Mouse, Rat
Form	Liquid
Isotype	IgG1
Recommend Usage	Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascitic (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of BMPR2 monoclonal antibody, clone 1F12 (Cat # MAB10454) against HeLa (1), A-431 (2), NIH/3T3 (3), COS-7 (4) and PC-12 (5) cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Enzyme-linked Immunoabsorbent Assay

ELISA measurement of BMPR2 monoclonal antibody, clone 1F12 (Cat # MAB10454).

Gene Info — BMPR2

Entrez GeneID	659
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 trans membrane 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

Pathway

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

Disease

- [Adenomatous Polyposis Coli](#)
- [Anemia](#)
- [Anoxia](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)

- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Heart Diseases](#)
- [Hypertension](#)
- [Liver Cirrhosis](#)
- [Microsatellite Instability](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Scleroderma](#)
- [Stomach Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Tricuspid Valve Insufficiency](#)