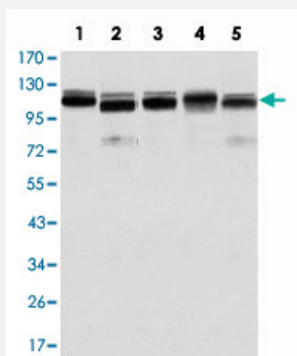


BMPR2 monoclonal antibody, clone 3F6

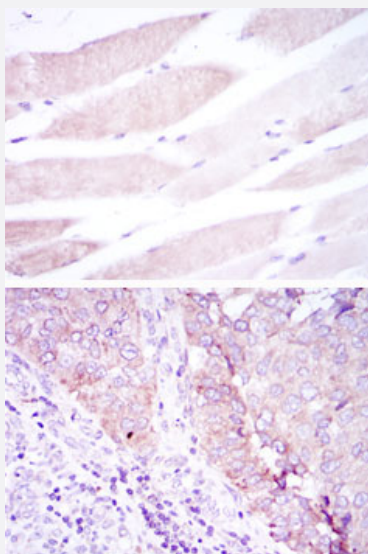
Catalog # MAB10610 Size 10 x 100 uL, 100 uL

Applications



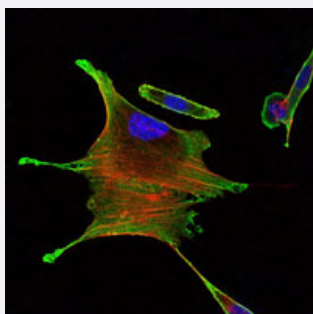
Western Blot (Cell lysate)

Western blot analysis using BMPR2 monoclonal antibody, clone 3F6 (Cat # MAB10610) 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 muscle tissues (upper) and kidney cancer tissues (bottom) using BMPR2 monoclonal antibody, clone 3F6 (Cat # MAB10610) with DAB staining.

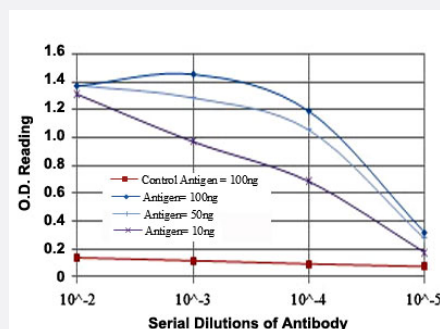


Immunofluorescence

Immunofluorescence analysis of Eca109 cells using BMPR2 monoclonal antibody, clone 3F6 (Cat # MAB10610) (green) . Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Enzyme-linked Immunoabsorbent Assay

ELISA measurement of BMPR2 monoclonal antibody, clone 3F6 (Cat # MAB10610) .



Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant BMPR2.
Immunogen	Recombinant protein corresponding to amino acids 27-150 of human BMPR2.
Host	Mouse
Theoretical MW (kDa)	115
Reactivity	Human, Monkey, Mouse, Rat
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (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

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- Enzyme-linked Immunoabsorbent Assay

ELISA measurement of BMPR2 monoclonal antibody, clone 3F6 (Cat # MAB10610) .

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](#)