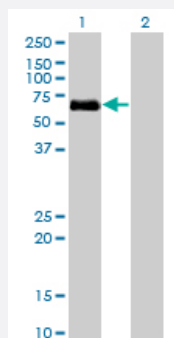


BMPR1A monoclonal antibody (M01), clone 4C4

Catalog # H00000657-M01

Size 100 ug

Applications

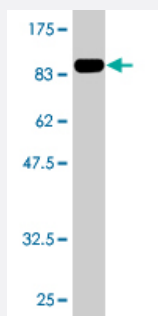


Western Blot (Transfected lysate)

Western Blot analysis of BMPR1A expression in transfected 293T cell line by BMPR1A monoclonal antibody (M01), clone 4C4.

Lane 1: BMPR1A transfected lysate(60.2 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (84.26 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant BMPR1A.

Immunogen

BMPR1A (AAH28383, 1 a.a. ~ 532 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence	MPQLYYIRLLGAYLFIIISRVQGGQNLD SMLHGTGMKSDSDQKKSENGVTLAPEDTLPFLKCYCSGH CPDDAINNTCITNGHCFAIIEEDDQGETTLASGCMKYE GSGFQCKDSPKAQLRRTIECCRTNLCNQ YLQPTLPPVVIGPFFDGSIRWLVLLISMAVCIAMII FSSCFYKHYCKSISSRRRYNRDLEQDEAFIPV GESLKDLVDQSQSSGSGSGLPLLVRTIAKQIQMVRQVGKG RYGEVWMGKWRGEKVAVKVFFT TEEASWFRETEIYQTVLMRHENILGFIAADIKGTGSWTQLYLITDYHENGSLYDFLKCATLDTRALLK LAYSAAACGLCHLHTEIYGTQGKPAIAHRDLKSKNILKKN GSCCIADLGLAVKFNSDTNEVDVPLNT RVGTKRYMAPEVLDES LNKNHFQPYIMADIYSFGLI I WEMARRCITGGV E EYQLPYNNMVPSPSY EDMREVVVCVKRLRPVSNRWNSDECLRAVLKLMSE CWAHN PASRLTALRIKKTAKMVESQDVK I
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (84.26 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of BMPR1A expression in transfected 293T cell line by BMPR1A monoclonal antibody (M01), clone 4C4.

Lane 1: BMPR1A transfected lysate(60.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — BMPR1A

Entrez GeneID [657](#)

GeneBank Accession# [BC028383](#)

Protein Accession# [AAH28383](#)

Gene Name	BMPR1A
Gene Alias	10q23del, ACVRLK3, ALK3, CD292
Gene Description	bone morphogenetic protein receptor, type IA
Omim ID	158350 174900 601299 610069
Gene Ontology	Hyperlink
Gene Summary	The bone morphogenetic protein (BMP) receptors are a family of transmembrane serine/threonine kinases that include the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. These receptors are also closely related to the activin receptors, ACVR1 and ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. TGF-betas and activins transduce their signals through the formation of heteromeric complexes with 2 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. [provided by RefSeq]
Other Designations	OTTHUMP00000020014 activin A receptor, type II-like kinase 3

Pathway

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

Disease

- [Adenomatous Polyposis Coli](#)
- [Alzheimer Disease](#)
- [Anemia](#)
- [Bacteremia](#)
- [Chromosome Deletion](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)

- [Colonic Neoplasms](#)
- [Diabetes Mellitus](#)
- [Gastrointestinal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Intestinal Polyposis](#)
- [Intestinal Polyps](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Neoplastic Syndromes](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Peutz-Jeghers Syndrome](#)
- [Polycystic Ovary Syndrome](#)
- [Polyps](#)
- [Precancerous Conditions](#)
- [Puberty](#)
- [Stomach Neoplasms](#)
- [Telangiectasia](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)