BMPR-II Monoclonal Antibody

Catalog No: #29596

Package Size: #29596-1 50ul #29596-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	BMPR-II Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Applications	WB,IHC-p,IF/ICC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Purified recombinant fragment of human BMPR-II expressed in E. Coli.
Conjugates	Unconjugated
Accession No.	Swiss-Prot#: Q13873
Concentration	1mg/ml
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Storage	Store at -20°C/1 year

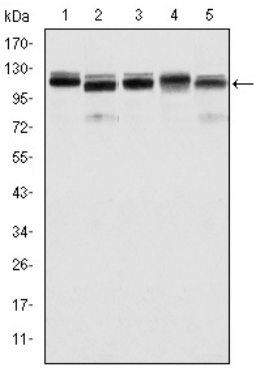
Application Details

Western Blot: 1/500 - 1/2000

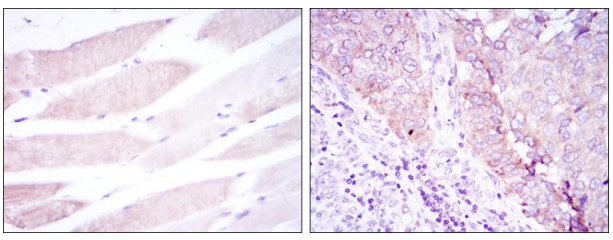
Immunohistochemistry: 1/200 - 1/1000

Immunofluorescence: 1/200 - 1/1000.

Images



Western Blot analysis using BMPR-II Monoclonal Antibody against HeLa (1), A431 (2), NIH/3T3 (3), Cos7 (4) and PC-12 (5) cell lysate.



Immunohistochemistry analysis of paraffin-embedded muscle tissues (left) and kidney cancer tissues (right) with DAB staining using BMPR-II Monoclonal Antibody.

Background

bone morphogenetic protein receptor type 2(BMPR2) Homo sapiens 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 disea

Published Papers

Lu Yu-Lin, Huang Chen, Huang Shu-Yan, Li Ting, Chen Wan-Yu, Yi Shu-Lin, Pei Ying, Lu Jin-Tong, Chen Zhuo-Ying, Cao Hong-Ying, Tan Bo el at., The mechanism of patchouli alcohol in treating IBS-D based on BMP-Smad pathway, Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, (2025)

PMID:40267641

Note: This product is for in vitro research use only and is not intended for use in humans or animals.