Rabbit BMPR1B Polyclonal Antibody | anti-BMPR1B antibody

BMPR1B Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282313	**Rabbit**	**Human, Mouse, Rat**	**Immunocytochemistry, Immunofluorescence, Western Blot**

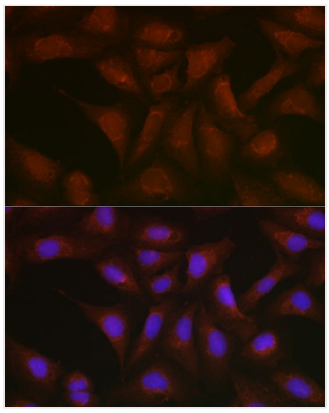
PRODUCT SYNONYMS

BMPR1B; Polyclonal Antibody; BMPR1B Rabbit pAb; ALK-6; ALK6; AMDD; BDA1D; BDA2; CDw293; bone morphogenetic protein receptor type-1B; anti-BMPR1B antibody

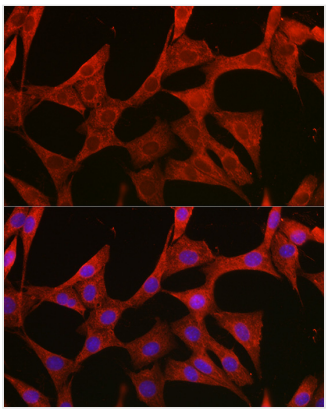
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide,50% glycerol,pH7.3.
Sequence	MSDNGELEDK PPAPPVRMSS TIFSTGGKDP LSANHSLKPL PSVPEEKKPR HKIISIFSGT EKGSKKKEKE RPEISPPSDF EHTIHVGFDA VTGEFTGMPE QWARLLQTSN ITKLEQKKNP QAVLDVLKFY DSNTVKQKYL SFTPPEKDGF PSGTPALNAK GTEAPAVVTE EEDDDEETAP PVIAPRPDHT KSIYTRSVID PVPAPVGDSH VD
Applicable Applications for anti-BMPR1B antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 450-532 of human BMPR1B (NP_001243722.1).
Cellular Location	Membrane, Single-pass type I membrane protein
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

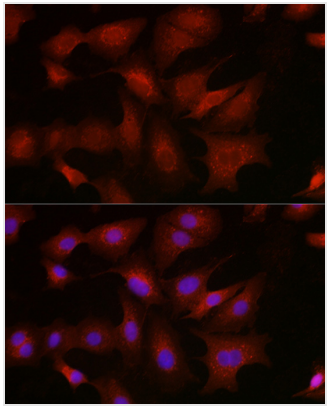
IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of U2OS cells using [KO Validated] BMPR1B Rabbit pAb at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)
Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] BMPR1B Rabbit pAb at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)
Immunofluorescence analysis of A-549 cells using [KO Validated] BMPR1B Rabbit pAb at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.

ADDITIONAL INFORMATION

Related Product Information for anti-BMPR1B antibody	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 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. Mutations in this gene have been associated with primary pulmonary hypertension. Several transcript variants encoding two different isoforms have been found for this gene.
Product Categories/Family for anti-BMPR1B antibody	Epigenetics & Nuclear Signaling; Signal Transduction; Kinase; Cell Biology & Developmental Biology; Cytoskeleton; Extracellular Matrix; Bone; Growth factor; Immunology & Inflammation; CD markers; Stem Cells; Mesenchymal Stem Cells; Receptors; Polyclonal A

NCBI AND UNIPROT INFORMATION

NCBI GI #	32483399
NCBI GeneID	5062
NCBI Accession #	NP_002568.2
NCBI GenBank Nucleotide #	NM_002577.4
UniProt Accession #	Q13177; Q13154; Q6ISC3
Molecular Weight	58,043 Da
NCBI Official Full Name	serine/threonine-protein kinase PAK 2
NCBI Official Synonym Full Names	p21 protein (Cdc42/Rac)-activated kinase 2
NCBI Official Symbol	PAK2
NCBI Official Synonym Symbols	PAK65; PAKgamma
NCBI Protein Information	serine/threonine-protein kinase PAK 2; p58; PAK-2; gamma-PAK; S6/H4 kinase; p21-activated kinase 2; p21 (CDKN1A)-activated kinase 2
UniProt Protein Name	Serine/threonine-protein kinase PAK 2
UniProt Gene Name	**PAK2**
UniProt Synonym Gene Names	PAK-2; p27; p34
UniProt Entry Name	PAK2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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