

Anti-ACVR1B monoclonal antibody, clone FQS5926 (DCABH-197)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to Activin A Receptor Type IB
Antigen Description	On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Phosphorylates TDP2.
Immunogen	Synthetic peptide, corresponding to residues in the extracellular domain of Human Activin A Receptor Type IB.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Clone	FQS5926
Purity	Tissue culture supernatant
Conjugate	Unconjugated
Applications	WB, IHC-P, Flow Cyt, ICC/IF
Positive Control	Human brain tissue lysate, Human fetal kidney tissue lysate, SH-SY5Y cell lysate, U87-MG cell lysate, Human fetal liver tissue lysate; Human kidney tissue.
Format	Liquid
Size	100 µl

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Buffer	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
Preservative	0.1% Sodium Azide
Storage	Store at -20°C. Stable for 12 months at -20°C

GENE INFORMATION

Gene Name	ACVR1B activin A receptor, type IB [Homo sapiens]
Official Symbol	ACVR1B
Synonyms	ACVR1B; activin A receptor, type IB; ACVRLK4; activin receptor type-1B; ActRIB; ALK4; SKR2; activin receptor-like kinase 4; activin A receptor, type II-like kinase 4; serine/threonine-protein kinase receptor R2; ACTRIB;
Entrez Gene ID	91
Protein Refseq	NP_004293
UniProt ID	P36896
Chromosome Location	12q13
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Developmental Biology, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; Regulation of Signaling by NODAL, organism-specific biosystem; Signaling by NODAL, organism-specific biosystem;
Function	ATP binding; SMAD binding; contributes_to activin binding; activin receptor activity, type I; activin receptor activity, type I; contributes_to activin-activated receptor activity; contributes_to growth factor binding; inhibin binding; metal ion binding;

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