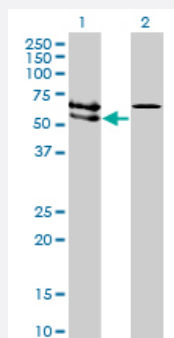


ACVRL1 monoclonal antibody (M01), clone 5B1

Catalog # H00000094-M01

Size 100 ug

Applications

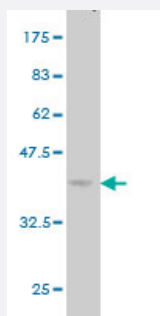


Western Blot (Transfected lysate)

Western Blot analysis of ACVRL1 expression in transfected 293T cell line by ACVRL1 monoclonal antibody (M01), clone 5B1.

Lane 1: ACVRL1 transfected lysate (56.124 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (36.41 KDa).

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ACVRL1.
Immunogen	ACVRL1 (AAH42637, 22 a.a. ~ 119 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DPVKPSRGPLVTCTCESPHCKGPTCRGAWCTVVLVREEGRHPQEHRCGNLHRELCRGRPTE FVNHYCCDSHLCNHNVSLEATQPPSEQPGTDGQL
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (69); Rat (73)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.41 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 ACVRL1 expression in transfected 293T cell line by ACVRL1 monoclonal antibody (M01), clone 5B1.

Lane 1: ACVRL1 transfected lysate(56.124 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ACVRL1

Entrez GeneID	94
GeneBank Accession#	BC042637
Protein Accession#	AAH42637
Gene Name	ACVRL1
Gene Alias	ACVRLK1, ALK-1, ALK1, HHT, HHT2, ORW2, SKR3, TSR-I
Gene Description	activin A receptor type II-like 1
Omim ID	600376 601284
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a type I cell-surface receptor for the TGF-beta superfamily of ligands. It shares with other type I receptors a high degree of similarity in serine-threonine kinase subdomains, a glycine- and serine-rich region (called the GS domain) preceding the kinase domain, and a short C-terminal tail. The encoded protein, sometimes termed ALK1, shares similar domain structures with other closely related ALK or activin receptor-like kinase proteins that form a subfamily of receptor serine/threonine kinases. Mutations in this gene are associated with hemorrhagic telangiectasia type 2, also known as Rendu-Osler-Weber syndrome 2. [provided by RefSeq]

Other Designations

TGF-B superfamily receptor type II|activin A receptor, type II-like kinase 1|serine/threonine-protein kinase receptor R3

Pathway

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

Disease

- [Anemia](#)
- [Arteriovenous Malformations](#)
- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Central Nervous System Vascular Malformations](#)
- [Chromosome Aberrations](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Epistaxis](#)
- [Genetic Predisposition to Disease](#)
- [Heart Diseases](#)
- [Hyperparathyroidism](#)
- [Hyperplasia](#)
- [Hypertension](#)

- [Intracranial Aneurysm](#)
- [Intracranial Arteriovenous Malformations](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Telangiectasia](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)