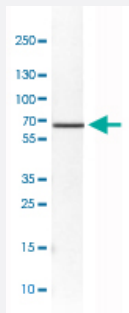


ACVRL1 polyclonal antibody

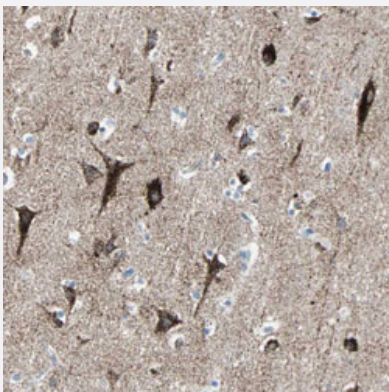
Catalog # PAB31383 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of EFO-21 cell lysate with ACVRL1 polyclonal antibody (Cat # PAB31383).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex with ACVRL1 polyclonal antibody (Cat # PAB31383) shows strong granular cytoplasmic positivity in neuronal cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human ACVRL1.
Immunogen	Recombinant protein corresponding to human ACVRL1.
Sequence	DPVKPSRGPLVTCTCESPHCKGPTCRGAWCTVVLVREEGRHPQEHRCGNLHRELCRGRPTE FVNHYCCDSHLCNHNVSLEATQPPSEQPGTDGQL
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of EFO-21 cell lysate with ACVRL1 polyclonal antibody (Cat # PAB31383).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — ACVRL1

Entrez GeneID	94
Protein Accession#	P37023
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

Publication Reference

- [Genetic and pharmacological targeting of activin receptor-like kinase 1 impairs tumor growth and angiogenesis.](#)

Cunha SI, Pardali E, Thorikay M, Anderberg C, Hawinkels L, Goumans MJ, Seehra J, Heldin CH, ten Dijke P, Pietras K.

The Journal of Experimental Medicine 2010 Jan; 207(1):85.

Application: IHC-P, Mouse, Mouse pancreas

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](#)