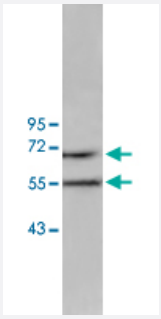
ACVRL1 polyclonal antibody

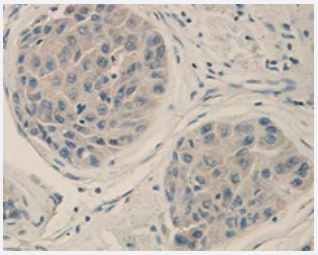
Catalog # PAB19782 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of human fetal heart tissue lysate with ACVRL1 polyclonal antibody (Cat # PAB19782) at 1:200 dilution.



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

Immunohistochemical staining of formalin-fixed paraffin-embedded human hepatocellular carcinoma showing staining with ACVRL1 polyclonal antibody (Cat # PAB19782) at 1:100 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ACVRL1.
Immunogen	A synthetic peptide corresponding to C-terminus of human ACVRL1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Peptide affinity purification

Recommend Usage	ELISA (1:1000-1:10000) Western Blot (1:200-5000) Immunohistochemistry (1:100-300) The optimal working dilution should be determined by the end user.
Storage Buffer	In serum (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. 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 shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ACVRL1

Entrez GeneID	94
Protein Accession#	NM_000020
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 I|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