

ACVRL1 Antibody (aa196-245)
Rabbit Polyclonal Antibody
Catalog # ALS14622**Specification**

ACVRL1 Antibody (aa196-245) - Product Information

Application	IF, WB
Primary Accession	P37023
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56kDa KDa

ACVRL1 Antibody (aa196-245) - Additional Information**Gene ID** 94**Other Names**

Serine/threonine-protein kinase receptor R3, SKR3, 2.7.11.30, Activin receptor-like kinase 1, ALK-1, TGF-B superfamily receptor type I, TSR-I, ACVRL1, ACVRLK1, ALK1

Target/Specificity

ACVRL1 Antibody detects endogenous levels of total ACVRL1 protein.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

ACVRL1 Antibody (aa196-245) is for research use only and not for use in diagnostic or therapeutic procedures.

ACVRL1 Antibody (aa196-245) - Protein Information**Name** ACVRL1**Synonyms** ACVRLK1, ALK1**Function**

Type I receptor for TGF-beta family ligands BMP9/GDF2 and BMP10 and important regulator of normal blood vessel development. 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. May bind activin as well.

Cellular Location

Cell membrane; Single-pass type I membrane protein

Volume

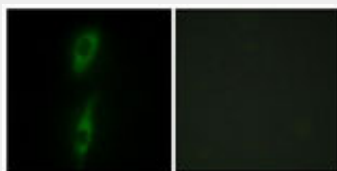
50 µl

ACVRL1 Antibody (aa196-245) - Protocols

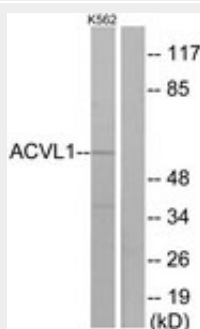
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ACVRL1 Antibody (aa196-245) - Images



Immunofluorescence of HeLa cells, using ACVRL1 Antibody.



Western blot of extracts from K562 cells, using ACVRL1 Antibody.

ACVRL1 Antibody (aa196-245) - Background

Type I receptor for TGF-beta family ligands BMP9/GDF2 and BMP10 and important regulator of normal blood vessel development. 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. May bind activin as well.

ACVRL1 Antibody (aa196-245) - References

ten Dijke P., et al. Oncogene 8:2879-2887(1993).
Attisano L., et al. Cell 75:671-680(1993).
Berg J.N., et al. Am. J. Hum. Genet. 61:60-67(1997).
Scherer S.E., et al. Nature 440:346-351(2006).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.