

Anti-ACVR1C / ALK7 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18293**Specification**

Anti-ACVR1C / ALK7 Antibody - Product Information

Application	WB, IHC-P
Primary Accession	Q8NER5
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	54871
Dilution	WB~~1:1000 IHC-P~~N/A

Anti-ACVR1C / ALK7 Antibody - Additional Information**Gene ID** 130399**Alias Symbol** **ACVR1C****Other Names**

ACVR1C, Activin receptor-like kinase 7, ACTR-IC, Activin receptor type IC, ACVRLK7, Activin receptor type-1C, ALK7, Activin A receptor, type IC, ALK-7

Target/Specificity

Human ACVR1C / ALK7

Reconstitution & Storage

Affinity purified

Precautions

Anti-ACVR1C / ALK7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-ACVR1C / ALK7 Antibody - Protein Information**Name** ACVR1C ([HGNC:18123](#))**Function**

Serine/threonine protein kinase which forms a receptor complex on ligand binding. The receptor complex consists of 2 type II and 2 type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators, SMAD2 and SMAD3. Receptor for activin AB, activin B, activin E and NODAL. Upon NODAL binding, activation results in increased apoptosis and reduced proliferation through suppression of AKT signaling and the activation of Smad2-dependent signaling pathway in pancreatic beta-cells, trophoblasts, epithelial or neuronal cells (PubMed:15531507, PubMed:15531507).

href="http://www.uniprot.org/citations/15150278" target="_blank">15150278). Acts as a positive regulator for macrophage activation partially through down-regulation of PPARγ expression (By similarity).

Cellular Location

Membrane; Single-pass type I membrane protein

Tissue Location

Present in pancreas, heart, colon, small intestine, ovary and the hippocampus, medulla oblongata and putamen of the brain Isoform 1, isoform 2, isoform 3 and isoform 4 are all expressed in the placenta throughout pregnancy.

Anti-ACVR1C / ALK7 Antibody - 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](#)

Anti-ACVR1C / ALK7 Antibody - Images