

# Anti-ACVR1C / ALK7 Antibody

Rabbit Anti Human Polyclonal Antibody  
Catalog # ALS18293

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">Q8NER5</a>
<b>Predicted</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Calculated MW</b>	54871

## Additional Information

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<b>Gene ID</b>	130399
<b>Alias Symbol</b> <b>Other Names</b>	ACVR1C 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
<b>Target/Specificity</b>	Human ACVR1C / ALK7
<b>Reconstitution &amp; Storage</b>	Affinity purified
<b>Precautions</b>	Anti-ACVR1C / ALK7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ACVR1C ( <a href="#">HGNC:18123</a> )
<b>Function</b>	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: <a href="#">15531507</a> , PubMed: <a href="#">15150278</a> ). Acts as a positive regulator for macrophage activation partially through down-regulation of PPARG expression (By similarity).
<b>Cellular Location</b>	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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.