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Anti-ACVR1C / ALK7 Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18293

Product Information

Application	WB, IHC-P
Primary Accession	Q8NER5
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	54871

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.

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:15150278). Acts as a positive regulator for macrophage activation partially through down-regulation of PPARG 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.

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