

ACVR1C

Reactivity:Human Mouse Rat

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:100 - 1:200

Calculated MW:55kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human ACVR1C

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

b

Synonym:

ACVR1C;ACVRLK7;ALK7 ;

Catalog #:A0678

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:130399

Isotype:IgG

Swiss Prot:Q8NER5

Purity:Affinity purification

For research use only.

Background:

ACTR-IC (Activin receptor type 1C), also referred to as Activin receptor-like kinase 7 (ALK-7), is a type I serine/threonine kinase receptor. ACTA-IC contains an extracellular binding domain, an intracellular serine/threonine kinase domain preceded by a GS box and a transmembrane domain. It is expressed throughout the digestive and central nervous system and localizes to the cell surface. Four ACTR-IC transcripts are generated by alternative splicing. Transcript 1 is the functional full length receptor, transcript 2 lacks a complete receptor binding domain and transcripts 3 and 4 are soluble proteins that lack a transmembrane domain. ACTR-IC is a receptor for Activin AB, Activin B and Nodal. In pancreatic cells, ACTR-IC forms a complex with Activin receptor type IIB (ACTR-IIB). The kinase domain of ACTR-IC can induce Smad2 and Smad3 signalling pathways. In some cell lines, ACTR-IC overexpression induces apoptosis and inhibits proliferation.

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