



Datasheet for ABIN7183057
anti-ACVR1C/ALK7 antibody



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2 Images

Overview

Quantity:	100 µL
Target:	ACVR1C/ALK7 (ACVR1C)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACVR1C/ALK7 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Synthesized peptide derived from internal of Human ACTR-1C.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	ACVR1C/ALK7 (ACVR1C)
Alternative Name:	ACVR1C (ACVR1C Products)
Background:	Background: Serine/threonine protein kinase which forms a receptor complex on ligand binding. The receptor complex consisting of 2 type II and 2 type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which

Target Details

autophosphorylate, then bind and activate SMAD transcriptional regulators, SMAD2 and SMAD3. Receptor for activin AB, activin B and NODAL. Plays a role in cell differentiation, growth arrest and apoptosis.

Bondestam J., Cytogenet. Cell Genet. 95:157-162(2001).

Roberts H.J., Biol. Reprod. 68:1719-1726(2003).

Hillier L.W., Nature 434:724-731(2005).

Aliases: Activin A receptor, type IC antibody, Activin receptor like kinase 7 antibody, Activin receptor type 1C precursor antibody, Activin receptor type IC antibody, Activin receptor type-1C antibody, Activin receptor-like kinase 7 antibody, ACTR IC antibody, ACTR-IC antibody, ACTRIC antibody, ACV1C_HUMAN antibody, Acvr1c antibody, ACVRLK7 antibody, ALK 7 antibody, ALK-7 antibody, ALK7 antibody

UniProt: [Q8NER5](#)

Pathways: [Negative Regulation of Hormone Secretion](#), [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: IHC:1:50-1:100, IF:1:100-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

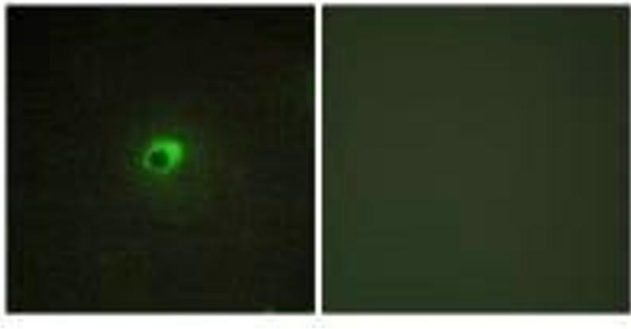
Buffer: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

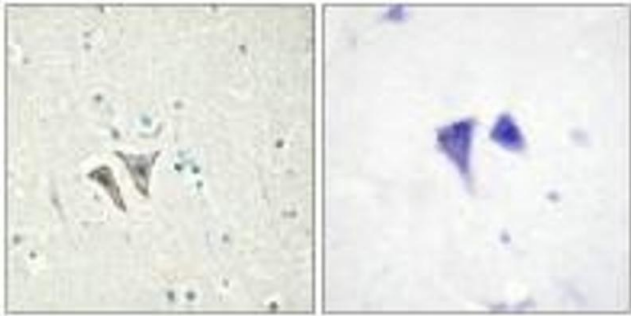
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence analysis of COS-7 cells, using ACTR-1C antibody.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ACTR-1C antibody.