

## ARG43380 anti-ACVR1C / ALK7 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ACVR1C / ALK7
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ACVR1C / ALK7
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 22-113 of Human ACVR1C / ALK7 (NP_660302.2).
Conjugation	Un-conjugated
Alternate Names	ALK7; EC 2.7.11.30; Activin receptor-like kinase 7; Activin receptor type IC; ACVRLK7; ALK-7; ACTR-IC; Activin receptor type-1C

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	SH-SY5Y	
Observed Size	~ 60 kDa	

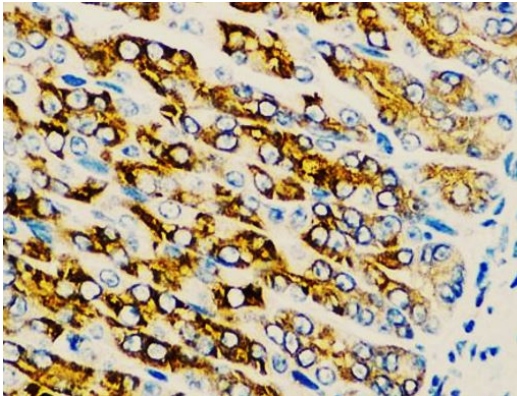
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

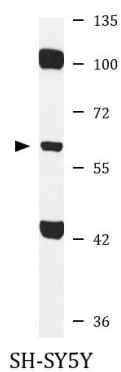
Gene Symbol	ACVR1C
Gene Full Name	activin A receptor, type IC
Background	ACVR1C is a type I receptor for the TGFB (see MIM 190180) family of signaling molecules. Upon ligand binding, type I receptors phosphorylate cytoplasmic SMAD transcription factors, which then translocate to the nucleus and interact directly with DNA or in complex with other transcription factors (Bondestam et al., 2001 [PubMed 12063393]).[supplied by OMIM, Mar 2008]
Function	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 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. [UniProt]
Calculated Mw	55 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

## Images



ARG43380 anti-ACVR1C / ALK7 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse stomach tissue stained with ARG43380 anti-ACVR1C / ALK7 antibody at 1:100 dilution.



ARG43380 anti-ACVR1C / ALK7 antibody WB image

Western blot: 25 µg of SH-SY5Y cell lysate stained with ARG43380 anti-ACVR1C / ALK7 antibody at 1:1000 dilution.