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

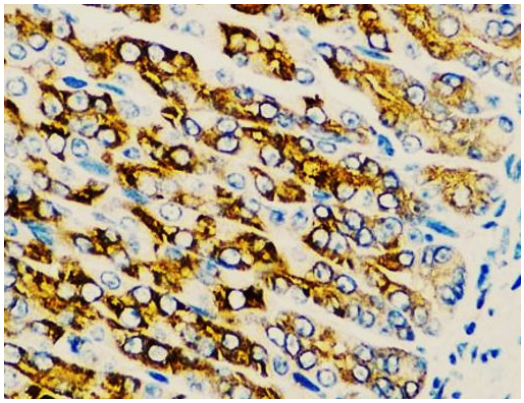
Properties

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

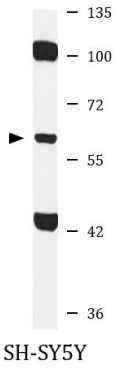
Gene Symbol	ACVR1C
Gene Full Name	activin A receptor, type IC
Background	ACVR1C is a type I receptor for the TGFB (see MIM 190180) family of signaling molecules. Upon ligand binding, type I receptors phosphorylate cytoplasmic SMAD transcription factors, which then translocate to the nucleus and interact 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.