



[Go to Product page](#)

Datasheet for ABIN714596

anti-ACVR1C/ALK7 antibody (AA 21-120)

3 Images

Overview

Quantity:	100 µL
Target:	ACVR1C/ALK7 (ACVR1C)
Binding Specificity:	AA 21-120
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACVR1C/ALK7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ACTRIC/Activin A Receptor Type IC
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	ACVR1C/ALK7 (ACVR1C)
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Target Details

Alternative Name:	Activin A Receptor Type IC (ACVR1C Products)
Background:	<p>Synonyms: ALK7, ACVRLK7, Activin receptor type-1C, Activin receptor type IC, ACTR-IC, Activin receptor-like kinase 7, ALK-7, ACVR1C</p> <p>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 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.</p>
Gene ID:	130399
UniProt:	Q8NER5
Pathways:	Negative Regulation of Hormone Secretion , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

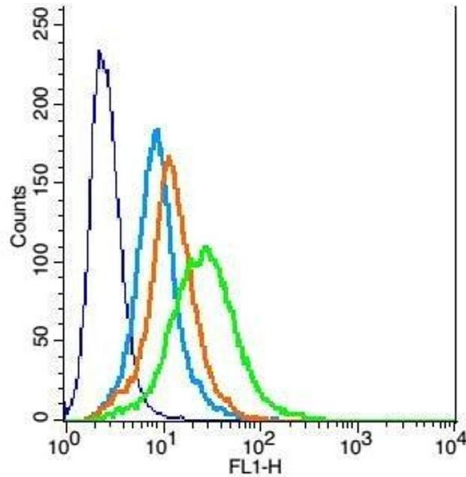
Handling

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

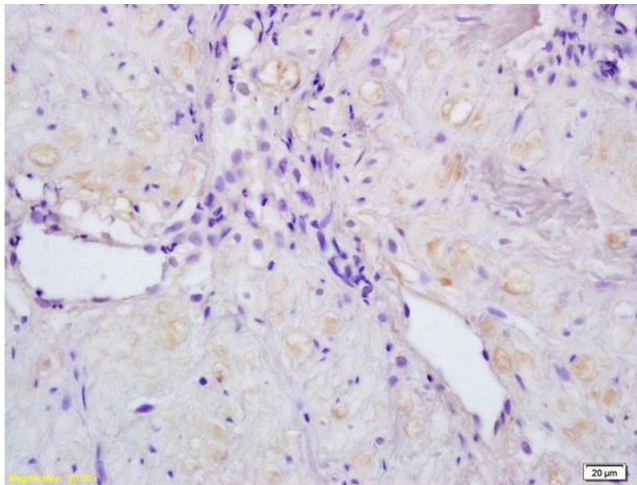
Expiry Date: 12 months

Images



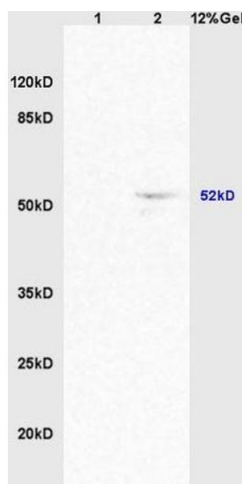
Flow Cytometry

Image 1. H9C2 cells probed with Rabbit Anti-Activin A Receptor Type IC Polyclonal Antibody, Unconjugated at 1:100 for 30 minutes followed by incubation with a conjugated secondary -FITC (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human stomach labeled with Rabbit Anti ACTRIC/Activin A Receptor Type IC Polyclonal Antibody, Unconjugated (ABIN714596) at 1:200 followed by conjugation to the secondary antibody and DAB staining



SDS-PAGE

Image 3. Lane 1: mouse brain lysates Lane 2: mouse heart lysates probed with Anti ACTRIC/Activin A Receptor Type IC Polyclonal Antibody, Unconjugated (ABIN714596) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 52kD. Observed band size: 52kD.