

ACVR1C Rabbit pAb

Catalog No.: A0678

Basic Information

Catalog No.

A0678

Observed MW

55KDa

Calculated MW

37kDa/46kDa/49kDa/54kDa

Category

Primary antibody

Applications

WB, IHC

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

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

Contact

 | www.abclonal.com

Background

ACVR1C is a type I receptor for the TGF β (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]

Immunogen Information

Gene ID	Swiss Prot
130399	Q8NER5

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 22-113 of human ACVR1C (NP_660302.2).

Synonyms

ACVR1C;ACVRLK7;ALK7

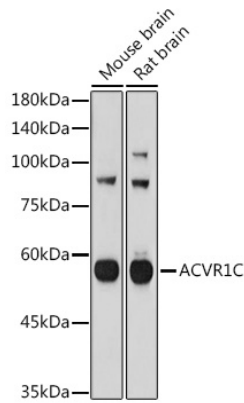
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

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

Validation Data



Western blot analysis of extracts of various cell lines, using ACVR1C antibody (A0678) at 1:1000 dilution.

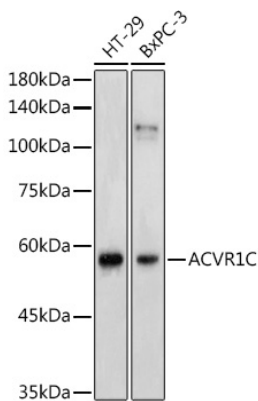
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Western blot analysis of extracts of various cell lines, using ACVR1C antibody (A0678) at 1:1000 dilution.

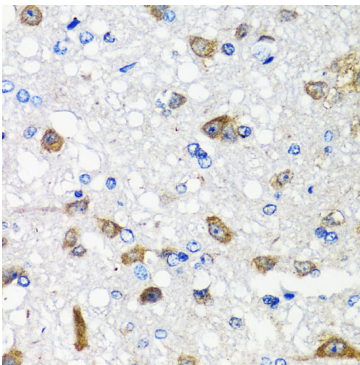
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

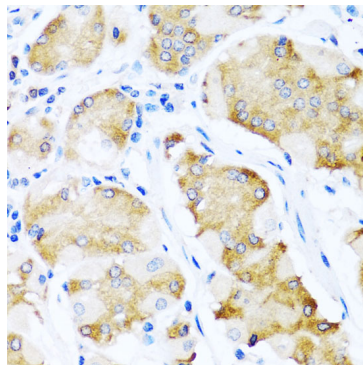
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

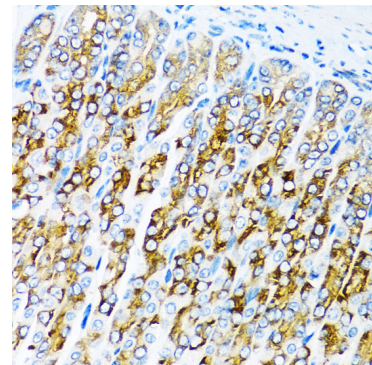
Exposure time: 180s.



Immunohistochemistry of paraffin-embedded rat brain using ACVR1C antibody (A0678) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human stomach using ACVR1C antibody (A0678) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse stomach using ACVR1C antibody (A0678) at dilution of 1:100 (40x lens).