

Rabbit Activin Receptor Type IA Polyclonal Antibody | anti-ACVR1 antibody

Activin Receptor Type IA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31206	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

Activin Receptor Type IA; Polyclonal Antibody; Activin Receptor Type IA Antibody; Activin A receptor type I; Activin A receptor type II like kinase 2; Activin receptor type I; Activin receptor type-1; Activin receptor-like kinase 2; ACTR-I; ACTRI; Acvr1; ACVR1_HUMAN; ACVR1A; ACVRLK2; ALK 2; ALK-2; ALK2; FOP; Hydroxyalkyl protein kinase; Serine/threonine-protein kinase receptor R1; SKR1; TGF-B superfamily receptor type I; TGFB superfamily receptor type I; TSR-I; TSRI; anti-ACVR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	509
Applicable Applications for anti-ACVR1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:2000 IF: 1:100-1:500 ICC: 1:100-1:500 IHC: 1:50-1:200 Optimal dilutions should be determined by the end user IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human Activin Receptor Type IA, corresponding to a region within N-terminal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



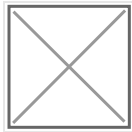
IF (Immunofluorescence)

AAA31206 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31206) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry-Paraffin)

AAA31206 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using Activin Receptor Type IA Antibody. The lane on the left was treated with blocking peptide.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501895
NCBI GeneID	90
NCBI Accession #	NP_001096
NCBI GenBank Nucleotide #	NP_001096.1
UniProt Accession #	Q04771
Molecular Weight	57kDa
NCBI Official Full Name	activin receptor type-1
NCBI Official Synonym Full Names	activin A receptor type 1
NCBI Official Symbol	ACVR1
NCBI Official Synonym Symbols	FOP; ALK2; SKR1; TSR1; ACTR1; ACVR1A; ACVRLK2
NCBI Protein Information	activin receptor type-1
UniProt Protein Name	Activin receptor type-1
UniProt Gene Name	ACVR1
UniProt Synonym Gene Names	ACVRLK2; ACTR-I; ALK-2; SKR1; TSR-I
UniProt Entry Name	ACVR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.