

ARG64410 anti-ACVR1 / ALK2 antibody

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ACVR1 / ALK2
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ACVR1 / ALK2
Species	Human
Immunogen	C-RKFKRRNQERLNPRD
Conjugation	Un-conjugated
Alternate Names	ALK2; ACTRI; FOP; Serine/threonine-protein kinase receptor R1; Activin receptor type I; EC 2.7.11.30; Activin receptor-like kinase 2; TSR1; ACVRLK2; Activin receptor type-1; SKR1; ACVR1A; ACTR-I; TGF-B superfamily receptor type I; TSR-I; ALK-2

Application Instructions

Application table	Application	Dilution
	IHC-P	4 - 6 µg/ml
	WB	0.3 - 1 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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 or below. 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.

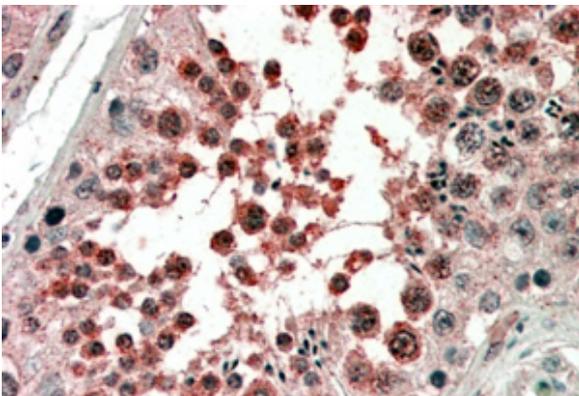
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

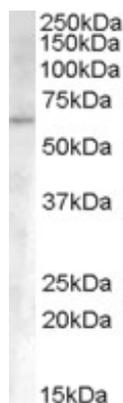
Database links	GeneID: 90 Human Swiss-port # Q04771 Human
Gene Symbol	ACVR1
Gene Full Name	activin A receptor type 1
Background	Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I (I and IB) and two type II (II and IIB) receptors. These receptors are all transmembrane proteins, composed of a ligand-binding extracellular domain with cysteine-rich region, a transmembrane domain, and a cytoplasmic domain with predicted serine/threonine specificity. Type I receptors are essential for signaling; and type II receptors are required for binding ligands and for expression of type I receptors. Type I and II receptors form a stable complex after ligand binding, resulting in phosphorylation of type I receptors by type II receptors. This gene encodes activin A type I receptor which signals a particular transcriptional response in concert with activin type II receptors. Mutations in this gene are associated with fibrodysplasia ossificans progressive. [provided by RefSeq, Jul 2008]
Research Area	Developmental Biology antibody; Gene Regulation antibody; Signaling Transduction antibody
Calculated Mw	57 kDa

Images



ARG64410 anti-ACVR1 / ALK2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis (steamed antigen retrieval with citrate buffer pH 6.0) stained with ARG64410 anti-ACVR1 / ALK2 antibody at 4 µg/ml dilution followed by AP-staining.



ARG64410 anti-ACVR1 / ALK2 antibody WB image

Western blot: 35 µg of Human umbilical cord lysate (in RIPA buffer) stained with ARG64410 anti-ACVR1 / ALK2 antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.