



[Go to Product page](#)

Datasheet for ABIN7101463

## anti-Activin A Receptor Type IB/ALK-4 antibody

### 5 Images

#### Overview

Quantity:	20 µL
Target:	Activin A Receptor Type IB/ALK-4 (ACVR1B)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Activin A Receptor Type IB/ALK-4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

#### Product Details

Immunogen:	A synthesized peptide derived from human ACVR1B
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

#### Target Details

Target:	Activin A Receptor Type IB/ALK-4 (ACVR1B)
Alternative Name:	ACVR1B ( <a href="#">ACVR1B Products</a> )
Background:	This gene encodes an activin A type IB receptor. Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of

## Target Details

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structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I and two type II receptors. This protein is a type I receptor which is essential for signaling. Mutations in this gene are associated with pituitary tumors. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Jun 2010],ACTRIB, ACVRLK4, ALK4, SKR2,Apoptosis,Cell Biology & Developmental Biology,Cytoskeleton,Cytoskeleton\_Microfilaments,Signal Transduction,Stem Cells,ACVR1B

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Molecular Weight: 52 kDa

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Gene ID: 91

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UniProt: [P36896](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

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Restrictions: For Research Use only

## Handling

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Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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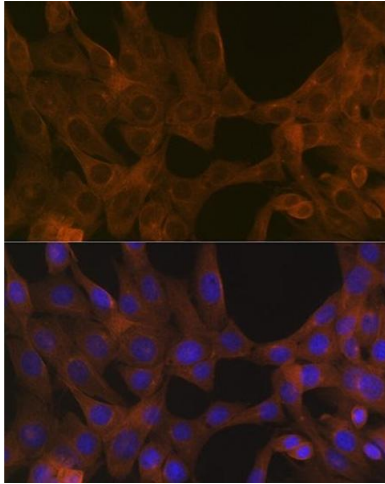
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

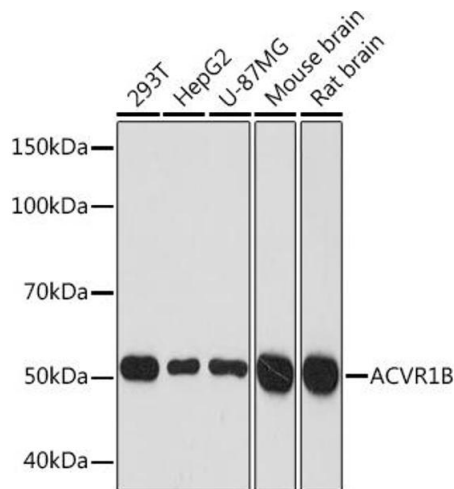
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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



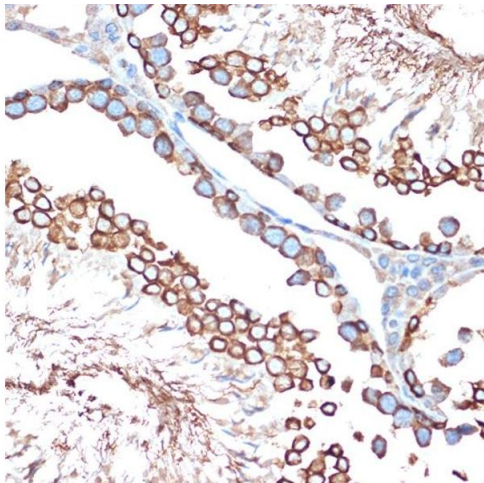
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of NIH-3T3 cells using B Rabbit mAb (ABIN1678826, ABIN3015929, ABIN3015930 and ABIN7101463) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using B Rabbit mAb (ABIN1678826, ABIN3015929, ABIN3015930 and ABIN7101463) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3 min.



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded rat testis using B Rabbit mAb (ABIN1678826, ABIN3015929, ABIN3015930 and ABIN7101463) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7101463.