

Datasheet for ABIN559768

anti-Activin A Receptor Type IB/ALK-4 antibody (AA 24-126)[Go to Product page](#)

4 Images

1 Publication

Overview

Quantity:	100 µg
Target:	Activin A Receptor Type IB/ALK-4 (ACVR1B)
Binding Specificity:	AA 24-126
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Activin A Receptor Type IB/ALK-4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Proximity Ligation Assay (PLA)

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant ACVR1B.
Immunogen:	ACVR1B (AAH00254, 24 a.a. ~ 126 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	SGPRGVQALL CACTSCLQAN YTCETDGACM VSIFNLDGME HHVRTCIPKV ELVPAGKPFY CLSSDLRNT HCCYTDYCNR IDLRVPSGHL KEPEHPSMWG PVE
Clone:	1C1
Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target: Activin A Receptor Type IB/ALK-4 (ACVR1B)

Alternative Name: ACVR1B ([ACVR1B Products](#))

Background: Full Gene Name: activin A receptor, type IB
Synonyms: ACTRIB,ACVRLK4,ALK4,SKR2

Gene ID: 91

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: In 1x PBS, pH 7.4

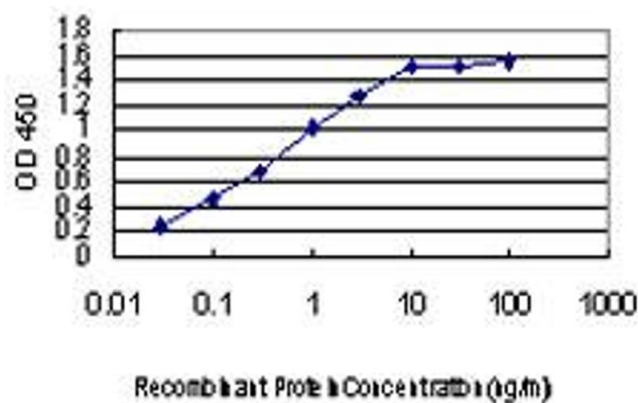
Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

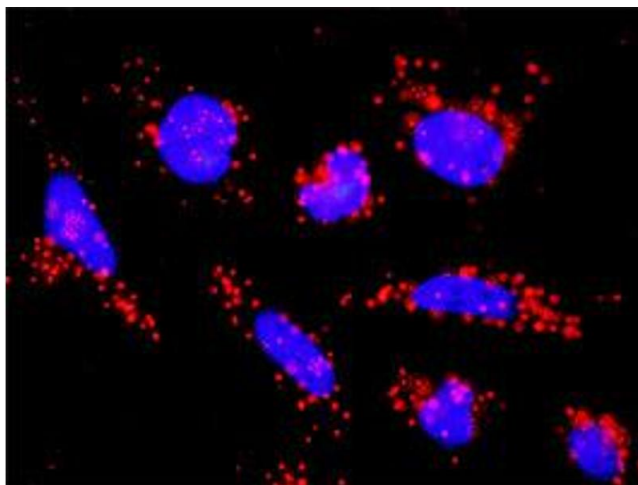
Publications

Product cited in: Zhu, Xu, Cuascut, Hall, Oxford: "Activin acutely sensitizes dorsal root ganglion neurons and induces hyperalgesia via PKC-mediated potentiation of transient receptor potential vanilloid I." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 27, Issue 50, pp. 13770-80, (2007) ([PubMed](#)).



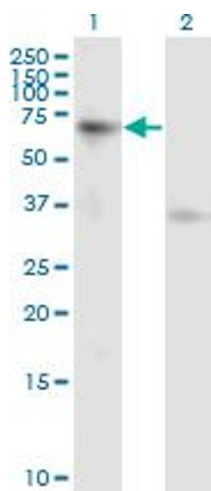
ELISA

Image 1. Detection limit for recombinant GST tagged ACVR1B is approximately 0.03ng/ml as a capture antibody.



Proximity Ligation Assay

Image 2. Proximity Ligation Analysis of protein-protein interactions between XIAP and ACVR1B. HeLa cells were stained with anti-XIAP rabbit purified polyclonal 1:1200 and anti-ACVR1B mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blotting

Image 3. Western Blot analysis of ACVR1B expression in transfected 293T cell line by ACVR1B monoclonal antibody (M09), clone 1C1.

Lane 1: ACVR1B transfected lysate (Predicted MW: 56.8 kDa).

Lane 2: Non-transfected lysate.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN559768.