

Datasheet for ABIN2784773
anti-ACTR1B antibody (C-Term)[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	ACTR1B
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Rabbit, Guinea Pig, Horse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACTR1B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human ACTR1B
Sequence:	KIKISAPQER LYSTWIGGSI LASLDTFKKM WWSKKEYEED GSRAIHRKTF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against ACTR1B. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ACTR1B
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Target Details

Alternative Name: ACTR1B ([ACTR1B Products](#))

Background: ACTR1B is a 42.3 kD subunit of dynactin, a macromolecular complex consisting of 10 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein and is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. ACTR1B, like ACTR1A, is an actin-related protein. These two proteins, which are of equal length and share 90 % amino acid identity, are present in a constant ratio of approximately 1:15 in the dynactin complex. This gene encodes a 42.3 kD subunit of dynactin, a macromolecular complex consisting of 10 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit, like ACTR1A, is an actin-related protein. These two proteins are of equal length and share 90 % amino acid identity. They are present in a constant ratio of approximately 1:15 in the dynactin complex.

Alias Symbols: ARP1B, CTRN2, PC3

Protein Interaction Partner: SEH1L, ACTR10, DCTN4, DCTN2, ACTR1A, RABEP1, LMNB1, DCTN3, APP, SMAD6, CUL3, UBC, TK1, MAPK6, CSNK2B, Dctn1, Capza1, CHD3, ACTA1, Protein Size: 376

Molecular Weight: 42 kDa

Gene ID: 10120

NCBI Accession: [NM_005735](#), [NP_005726](#)

UniProt: [P42025](#)

Application Details

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

Comment: Antigen size: 376 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

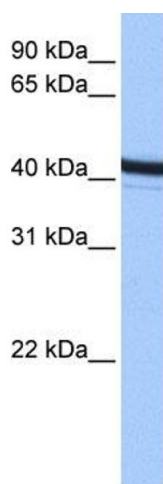
Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Mehrle, Rosenfelder, Schupp, del Val, Arlt, Hahne, Bechtel, Simpson, Hofmann, Hide, Glatting, Huber, Pepperkok, Poustka, Wiemann: "The LIFEdb database in 2006." in: Nucleic acids research , Vol. 34, Issue Database issue, pp. D415-8, (2005) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-ACTR1B Antibody Titration:

0.2-1 ug/ml

Positive Control: HepG2 cell lysate