

ACTR1A Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16117c**Specification**

ACTR1A Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P61163
Other Accession	P85515 , P61164 , Q4R6J9 , NP_005727.1 , F2Z5G5
Reactivity	Mouse
Predicted	Monkey, Pig, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	42614
Antigen Region	98-126

ACTR1A Antibody (Center) - Additional Information**Gene ID** 10121**Other Names**

Alpha-centractin, Centractin, ARP1, Actin-RPV, Centrosome-associated actin homolog, ACTR1A, CTRN1

Target/Specificity

This ACTR1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-126 amino acids from the Central region of human ACTR1A.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ACTR1A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ACTR1A Antibody (Center) - Protein Information

Name ACTR1A ([HGNC:167](#))

Synonyms CTRN1

Function Part of the ACTR1A/ACTB filament around which the dynactin complex is built. The dynactin multiprotein complex activates the molecular motor dynein for ultra-processive transport along microtubules.

Cellular Location

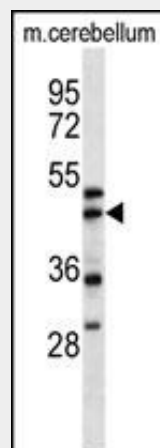
Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:P85515}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cell cortex

ACTR1A Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ACTR1A Antibody (Center) - Images



ACTR1A Antibody (Center) (Cat. #AP16117c) western blot analysis in mouse cerebellum tissue lysates (35ug/lane). This demonstrates the ACTR1A antibody detected the ACTR1A protein (arrow).

ACTR1A Antibody (Center) - Background

This gene encodes a 42.6 kD subunit of dynactin, a macromolecular complex consisting of 10-11 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 is present in 8-13 copies per dynactin molecule, and is the most

abundant molecule in the dynactin complex. It is an actin-related protein, and is approximately 60% identical at the amino acid level to conventional actin.

ACTR1A Antibody (Center) - References

Sugarbaker, D.J., et al. Proc. Natl. Acad. Sci. U.S.A. 105(9):3521-3526(2008)
Petretti, C., et al. EMBO Rep. 7(4):418-424(2006)
Casenghi, M., et al. Dev. Cell 5(1):113-125(2003)
Carew, J.A., et al. J. Thromb. Haemost. 1(6):1220-1227(2003)
Takahashi, M., et al. Mol. Biol. Cell 13(9):3235-3245(2002)