

ACTR1A Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16117c**Specification**

ACTR1A Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P61163](#)

ACTR1A Antibody (Center) Blocking Peptide - Additional Information

Gene ID 10121

Other Names

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ACTR1A Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ACTR1A Antibody (Center) Blocking Peptide - Images**ACTR1A Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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)