

Goat Anti-ARP1 homolog A Antibody
Peptide-affinity purified goat antibody
Catalog # AF1107a**Specification**

Goat Anti-ARP1 homolog A Antibody - Product Information

Application	WB
Primary Accession	P61163
Other Accession	NP_005727 , 10121 , 54130 (mouse)
Reactivity	Human
Predicted	Mouse, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	42614

Goat Anti-ARP1 homolog A Antibody - Additional Information**Gene ID** 10121**Other Names**

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

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-ARP1 homolog A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-ARP1 homolog A Antibody - 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

Goat Anti-ARP1 homolog A Antibody - 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](#)

Goat Anti-ARP1 homolog A Antibody - Images

AF1107a staining (2 µg/ml) of human kidney lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-ARP1 homolog A Antibody - 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.

Goat Anti-ARP1 homolog A Antibody - References

Transcriptome sequencing of malignant pleural mesothelioma tumors. Sugarbaker DJ, et al. Proc Natl Acad Sci U S A, 2008 Mar 4. PMID 18303113.

The PITSLRE/CDK11p58 protein kinase promotes centrosome maturation and bipolar spindle formation. Petretti C, et al. EMBO Rep, 2006 Apr. PMID 16462731.

The LIFEdb database in 2006. Mehrle A, et al. Nucleic Acids Res, 2006 Jan 1. PMID 16381901.

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