

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 <u>NP_005727</u>, <u>10121</u>, <u>54130 (mouse)</u>

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 lgG/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.



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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 Cytomety
- 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.

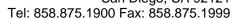
Goat Anti-ARP1 homolog A Antibody - References

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