

**Goat Anti-ARP1 homolog B Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1107b

### Specification

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#### Goat Anti-ARP1 homolog B Antibody - Product Information

Application	WB, IHC
Primary Accession	<a href="#">P42025</a>
Other Accession	<a href="#">NP_005726</a> , <a href="#">10120</a> , <a href="#">226977 (mouse)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	42293

#### Goat Anti-ARP1 homolog B Antibody - Additional Information

**Gene ID** 10120

#### Other Names

Beta-centractin, Actin-related protein 1B, ARP1B, ACTR1B, CTRN2

#### 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 B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat Anti-ARP1 homolog B Antibody - Protein Information

**Name** ACTR1B

**Synonyms** CTRN2

#### Function

Component of a multi-subunit complex involved in microtubule based vesicle motility. It is associated with the centrosome.

**Cellular Location**

Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

### Goat Anti-ARP1 homolog B Antibody - Protocols

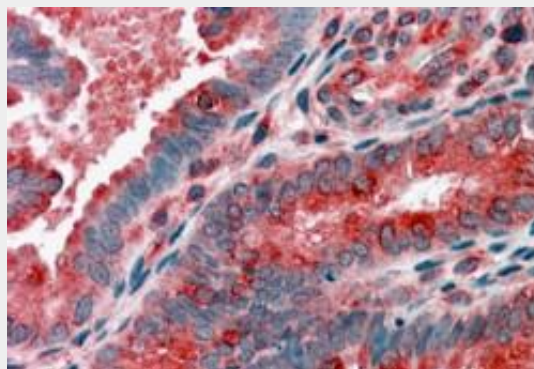
Provided below are standard protocols that you may find useful for product applications.

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

### Goat Anti-ARP1 homolog B Antibody - Images



AF1107b staining (1  $\mu\text{g/ml}$ ) of human heart lysate (RIPA buffer, 35  $\mu\text{g}$  total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



AF1107b (3.8  $\mu\text{g/ml}$ ) staining of paraffin embedded Human Uterus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

### Goat Anti-ARP1 homolog B Antibody - Background

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 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. This subunit, 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.

### **Goat Anti-ARP1 homolog B Antibody - References**

Antimitotic effect of the retinoid 4-oxo-fenretinide through inhibition of tubulin polymerization: a novel mechanism of retinoid growth-inhibitory activity. Appierto V, et al. Mol Cancer Ther, 2009 Dec. PMID 19996280.

Down-regulation of beta-actin might be involved in dendritic cells dysfunction and subsequent hepatocellular carcinoma immune escape: a proteomic study. Weng YQ, et al. J Cancer Res Clin Oncol, 2008 Feb. PMID 17619203.

A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.

Generation and annotation of the DNA sequences of human chromosomes 2 and 4. Hillier LW, et al. Nature, 2005 Apr 7. PMID 15815621.

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.