

# Product datasheet

info@arigobio.com

# ARG41270 anti-ACTR1B / ARP1B antibody

Package: 50 μl Store at: -20°C

#### Summary

Product Description Rabbit Polyclonal antibody recognizes ACTR1B / ARP1B

Tested Reactivity Hu

Predict Reactivity Ms, Rat, Cow, Dog, Gpig, Hrs, Rb, Yeast, Zfsh

Tested Application WB

Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name ACTR1B / ARP1B

Species Human

Immunogen Synthetic peptide around the middle region of Human ACTR1B / ARP1B. (within the following region:

VGPARFRAPELLFQPDLVGDESEGLHEVVAFAIHKSDMDLRRTLFANIVL)

Conjugation Un-conjugated

Alternate Names PC3; Actin-related protein 1B; CTRN2; Beta-centractin; ARP1B

## **Application Instructions**

Predict Reactivity Note Predicted Homology Based On Immunogen Sequence: Cow: 93%; Dog: 100%; Guinea pig: 100%; Horse:

93%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 77%; Zebrafish: 85%

Application table Application Dilution

WB 0.2 - 1 μg/ml

Application Note \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations

should be determined by the scientist.

Positive Control 293T

Observed Size ~ 45 kDa

### **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.

Preservative 0.09% (w/v) Sodium azide

Stabilizer 2% Sucrose

Concentration Batch dependent: 0.5 - 1 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol ACTR1B

Gene Full Name ARP1 actin-related protein 1 homolog B, centractin beta (yeast)

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. [provided by RefSeq, Aug 2008]

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

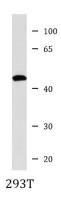
with the centrosome. [UniProt]

Calculated Mw 42 kDa

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

[UniProt]

#### **Images**



#### ARG41270 anti-ACTR1B / ARP1B antibody WB image

Western blot: 293T cell lysate stained with ARG41270 anti-ACTR1B / ARP1B antibody at 0.2 - 1  $\mu$ g/ml dilution.

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