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Product datasheet for TA340074

ACTR1B Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ACTR1B antibody: synthetic peptide directed towards the C terminal of human ACTR1B. Synthetic peptide located within the following region: KIKISAPQERLYSTWIGGSILASLDTFKKMWVSKKEYEEDGSRAIHRKTF
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	42 kDa
Gene Name:	ARP1 actin-related protein 1 homolog B, centractin beta
Database Link:	NP_005726 Entrez Gene 10120 Human P42025

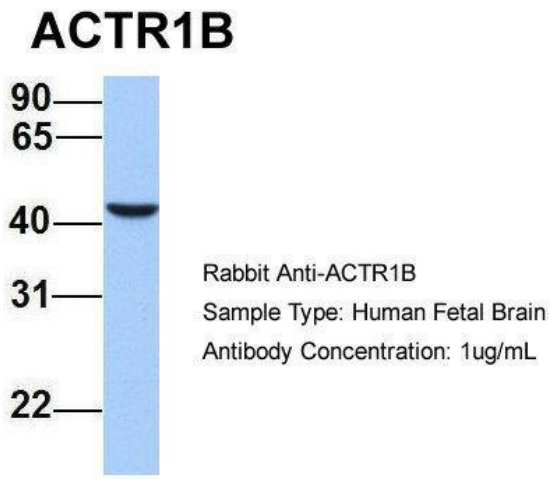
View online »

Background: ACTR1B is 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. ACTR1B, 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.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. 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, like ACTR1A, is an actin-related protein. These two proteins are of equal length and share 90% amino acid identity. They are present in a constant ratio of approximately 1:15 in the dynactin complex.

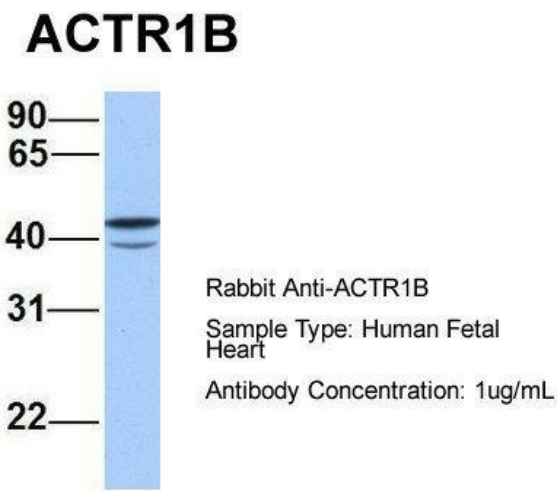
Synonyms: ARP1B; CTRN2; PC3

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 86%

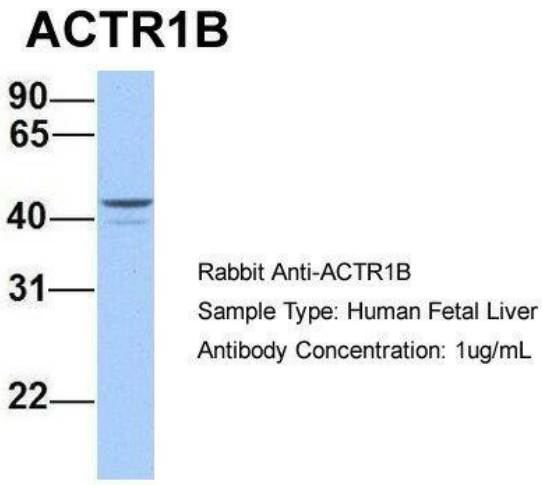
Product images:



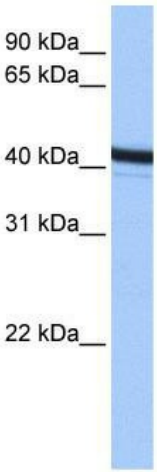
Host: Rabbit; Target Name: ACTR1B; Sample Tissue: Human Fetal Brain; Antibody Dilution: 1.0 ug/ml



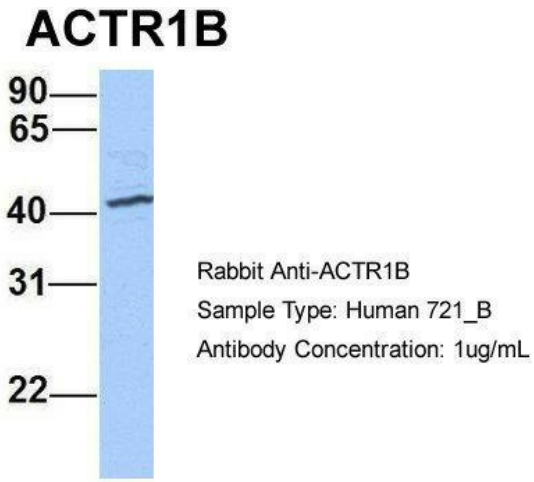
Host: Rabbit; Target Name: ACTR1B; Sample Tissue: Human Fetal Heart; Antibody Dilution: 1.0 ug/ml



Host: Rabbit; Target Name: ACTR1B; Sample Tissue: Human Fetal Liver; Antibody Dilution: 1.0 ug/ml



WB Suggested Anti-ACTR1B Antibody Titration: 0.2-1 ug/ml; Positive Control: HepG2 cell lysateACTR1B is supported by BioGPS gene expression data to be expressed in HepG2



Host: Rabbit; Target Name: ACTR1B; Sample Tissue: Human 721_B; Antibody Dilution: 1.0 ug/ml; ACTR1B is supported by BioGPS gene expression data to be expressed in 721_B