

Rabbit ACTR1B Polyclonal Antibody | anti-ACTR1B antibody

ACTR1B Rabbit pAb

CATALOG # AAA281591	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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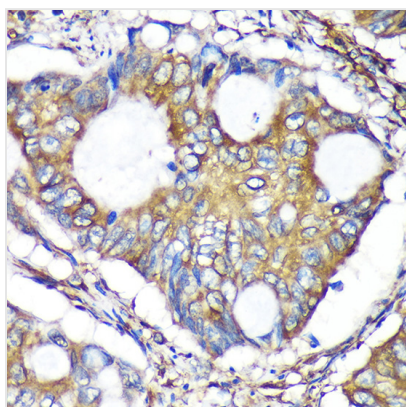
PRODUCT SYNONYMS

ACTR1B; Polyclonal Antibody; ACTR1B Rabbit pAb; ARP1B; CTRN2; PC3; anti-ACTR1B antibody

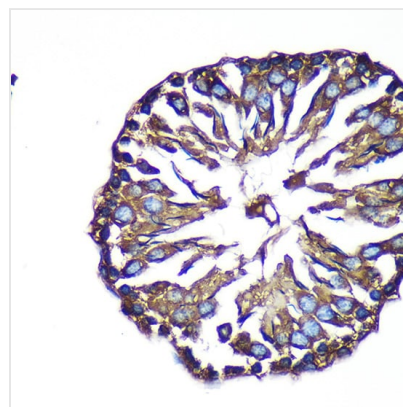
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	MESYDIIANQ PVVIDNGSGV IKAGFAGDQI PKYCFPNYVG RPKHMRVMAG ALEGDLFIGP KAEHRGLLT IRYPMEHGVV RDWNDMERIW QYVYSKDQLQ TFSEE
Applicable Applications for anti-ACTR1B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-105 of human ACTR1B (NP_005726.1).
Cellular Location	Cytoplasm, centrosome, cytoskeleton, microtubule organizing center
Positive Samples	Mouse thymus, Mouse brain, Mouse heart, Rat lung
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

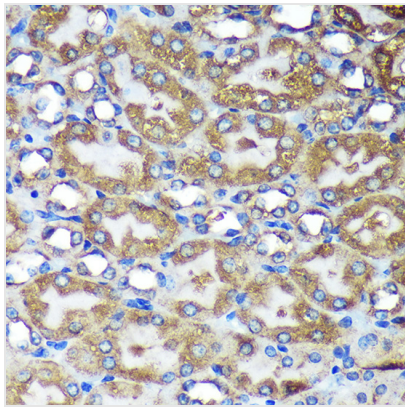
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human colon carcinoma using ACTR1B Rabbit pAb at dilution of 1:100 (40x lens).

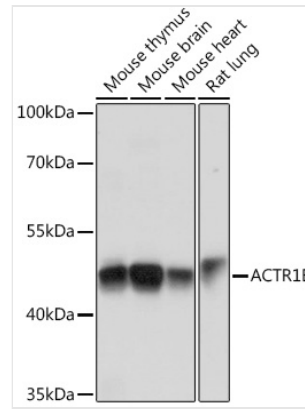

IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat testis using ACTR1B Rabbit pAb at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse kidney using ACTR1B Rabbit pAb at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ACTR1B Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTR1B 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.
Product Categories/Family for anti-ACTR1B antibody	Cell Biology & Developmental Biology; Cell Cycle; Centrosome; Research; Cell Biology & Developmental Biology; Cytoskeleton; Microfilaments; Research; Cell Biology & Developmental Biology; Cytoskeleton; Motor Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	11342680
NCBI GeneID	10120
NCBI Accession #	NP_005726.1
NCBI GenBank Nucleotide #	NM_005735.3
UniProt Accession #	P42025; Q53SK5; Q9BRB7; D3DVH2
Molecular Weight	42,293 Da
NCBI Official Full Name	beta-centractin
NCBI Official Synonym Full Names	ARP1 actin-related protein 1 homolog B, centractin beta (yeast)
NCBI Official Symbol	ACTR1B
NCBI Official Synonym Symbols	PC3; ARP1B; CTRN2
NCBI Protein Information	beta-centractin; centractin beta; actin-related protein 1B
UniProt Protein Name	Beta-centractin
UniProt Gene Name	ACTR1B
UniProt Synonym Gene Names	CTRN2; ARP1B
UniProt Entry Name	ACTY_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

