ACTR1A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ACTR1A, Polyclonal Antibody
Full Product Name	ACTR1A Conjugated Antibody
Product Gene Name	anti-ACTR1A antibody
Product Synonym Names	ARP1; CTRN1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous level of total ACTR1A antibody.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	42,614 Da
OMIM	605143
3D Structure	ModBase 3D Structure for P61163
Immunogen	Recombinant protein of human ACTR1A.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-ACTR1A antibody	Most Applications
Application Notes for anti-ACTR1A antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-ACTR1A antibody	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.
Other Notes	Small volumes of anti-ACTR1A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ACTR1A purchase	MBS9449047 is an antibody targeting ACTR1A. Also known as ACTR1A Conjugated Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACTR1A. It may not necessarily be applicable to this product.

NCBI GI #	5031569
NCBI GeneID	10121
NCBI Accession #	NP_005727.1
UniProt Primary Accession #	P61163
UniProt Secondary Accession #	P42024; B2R6B0
UniProt Related Accession #	P61163; AAB23391
GenBank Nucleotide #	NM_005736.3
NCBI Official Full Name	alpha-centractin
NCBI Official Synonym Full Names	ARP1 actin-related protein 1 homolog A, centractin alpha
NCBI Official Symbol	ACTR1A
NCBI Official Synonym Symbols	ARP1; Arp1A; CTRN1
UniProt Protein Name	Alpha-centractin
UniProt Synonym Protein Names	ARP1; Actin-RPV; Centrosome-associated actin homolog
Protein Family	Alpha-centractin
UniProt Gene Name	ACTR1A
UniProt Synonym Gene Names	CTRN1; Centractin
UniProt Entry Name	ACTZ_HUMAN
NCBI Protein Information	alpha-centractin
UniProt Comments for ACTR1A	Function: Component of a multi-subunit complex involved in microtubule based vesicle motility. It is associated with the centrosome. Subcellular location: Cytoplasm › cytoskeleton. Cytoplasm › cytoskeleton › microtubule organizing center › centrosome. Sequence similarities: Belongs to the actin family. ARP1 subfamily.
Research Articles on ACTR1A	**1.** point mutation observed by transcriptome sequencing of malignant pleural mesothelioma tumors
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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