

Rabbit Arp3 Polyclonal Antibody | anti-Arp3 antibody

Arp3 (C-Terminal Region)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71549	Rabbit	Human, Rat, Mouse, Chicken, Frog	Immunocytochemistry, ELISA, Western Blot

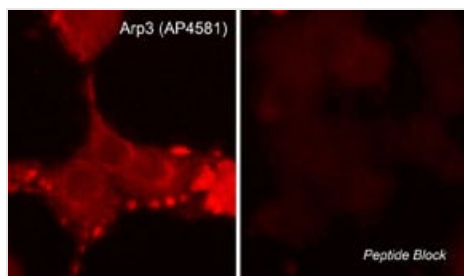
PRODUCT SYNONYMS

Arp3; Polyclonal Antibody; Arp3 (C-Terminal Region); ACTR3; anti-Arp3 antibody

PRODUCT SPECIFICATIONS

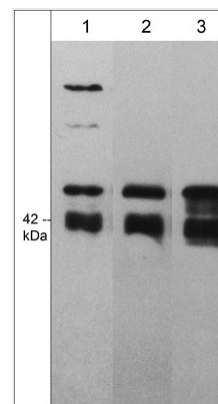
Host	Rabbit
Reactivity	Human, Rat, Mouse, Chicken, Frog
Clonality	Polyclonal
Specificity	This antibody was affinity purified using Arp3 (C-terminal region) peptide (without carrier). The antibody detects a 47 kDa* doublet corresponding to the molecular mass of Arp3 on SDS-PAGE immunoblots of human A431, Jurkat, and HeLa cells, and in rat PC12 cells.
Purity/Purification	Affinity Purified
Form/Format	Supplied in 100ul phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide.
Sequence Length	418
Applicable Applications for anti-Arp3 antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Arp3 (C-terminal region) synthetic peptide (coupled to KLH) corresponding to amino acid residues in the C-terminal region of human Arp3. This peptide sequence is highly conserved in rat, mouse, chicken, fish, and yeast Arp3 proteins.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of Arp3 in aldehyde-fixed and NP-40-permeabilized rat PC12 cells differentiated with NGF. The cells were labeled with rabbit polyclonal anti-Arp3 (C-terminal region) (AP4581) in the absence (left) or presence (right) of blocking peptide (AX4585). The antibody was detected using appropriate secondary antibody conjugated to DyLight 594.



WB (Western Blot)

Western blot of human A431 (lane 1), Jurkat (lane 2), and HeLa (lane 3) cells. The blots were probed with rabbit polyclonal anti-Arp3 (C-terminal region) antibody at 1:1000 (lanes 1-3).

ADDITIONAL INFORMATION

Related Product Information for anti-Arp3 antibody	Cellular morphology, adhesion, and motility occur through dynamic reorganization of actin-based superstructures. Actin-binding proteins are critical for regulating actin polymerization and superstructure formation. The Arp2/3 complex is an actin polymerization-inducing complex that includes Arp2, Arp3, p41-Arc, p34-Arc, p21-Arc, p20-Arc, and p16-Arc. Several nucleation promoting factors, such as WASP and coronin, regulate the activity of the Arp2/3 complex. In addition, the Arp2/3 complex may be regulated by phosphorylation of specific subunits in the complex. Arp2 has two phosphosites, Thr-237 and Thr-238, that are evolutionarily conserved, and are phosphorylated along with Tyr-202 in response to growth factor stimulation. These phosphorylation events may regulate binding to the pointed end of actin filaments, and alanine substitutions of these Arp2 phosphosites inhibit membrane protrusions. Thus, phosphorylation may be another mode of Arp2/3 complex regulation in addition to the activity of nucleation-promoting factors.
References	Kelleher, J.F. et al. (1995). J Cell Biol. 131(2):385.LeClaire, L.L. et al (2008). J Cell Biol. 182(4):647.Soderling, S.H. (2009). Sci Signal. 2(55):pe5 (Review).

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031573
NCBI GeneID	10096
NCBI Accession #	NP_005712.1
NCBI GenBank Nucleotide #	NM_005721.4
UniProt Accession #	P61158
Molecular Weight	47 kDa
NCBI Official Full Name	actin-related protein 3 isoform 1
NCBI Official Synonym Full Names	actin related protein 3
NCBI Official Symbol	ACTR3
NCBI Official Synonym Symbols	ARP3
NCBI Protein Information	actin-related protein 3
UniProt Protein Name	Actin-related protein 3
UniProt Gene Name	ACTR3
UniProt Synonym Gene Names	ARP3
UniProt Entry Name	ARP3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/arp3-antibody-immunocytochemistry-western-blot-elisa/71549>