

Rabbit ACTR3 Polyclonal Antibody | anti-ACTR3 antibody

ACTR3 Antibody

CATALOG # AAA170354	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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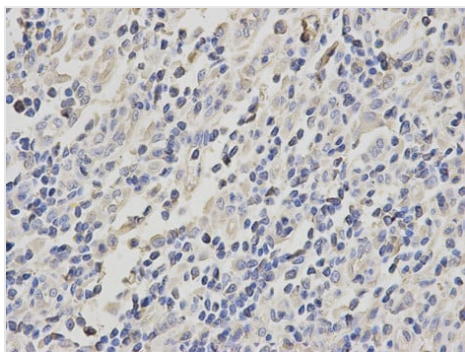
PRODUCT SYNONYMS

ACTR3; Polyclonal Antibody; ACTR3 Antibody; ARP3; anti-ACTR3 antibody

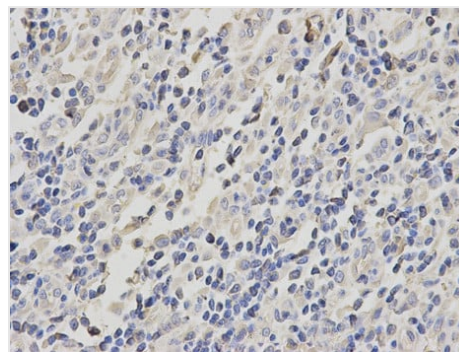
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	418
Applicable Applications for anti-ACTR3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human ACTR3
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-10132 / sc-10130 / sc-15390
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

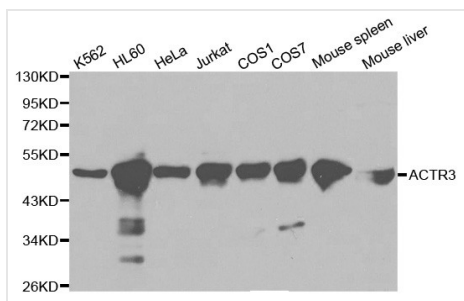
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human stomach cancer using ACTR3 antibody at dilution of 1:200 (400x lens).


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung using ACTR3 antibody at dilution of 1:200 (400x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ACTR3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTR3 antibody

Actin nucleation, the formation of new actin filaments from existing filaments, affects actin filament structure during cell motility, division, and intracellular trafficking. An important actin nucleation protein complex is the highly conserved ARP2/3 complex, consisting of ARP2, ARP3, and ARPC1-5. The ARP2/3 complex promotes branching of an existing actin filament and formation of a daughter filament following activation by nucleation-promoting factors, such as WASP/WAVE or cortactin (1). The formation of podosomes, small cellular projections that degrade the extracellular matrix, is enhanced by ARP2/3 complex action. ARP2/3 competes with caldesmon, an actin binding protein shown to negatively affect podosome formation (2). Along with N-WASP, the ARP2/3 complex regulates nuclear actin filament nucleation and controls actin polymerization during transcription (3).

NCBI AND UNIPROT INFORMATION

NCBI GI #	47117647
NCBI GeneID	10096
Molecular Weight	47,371 Da
NCBI Official Full Name	Actin-related protein 3
NCBI Official Synonym Full Names	ARP3 actin-related protein 3 homolog (yeast)
NCBI Official Symbol	ACTR3
NCBI Official Synonym Symbols	ARP3
NCBI Protein Information	actin-related protein 3; actin-like 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/actr3-antibody-immunohistochemistry-western-blot-elisa/170354>