

Rabbit ACTN3 Polyclonal Antibody | anti-ACTN3 antibody

ACTN3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327379	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

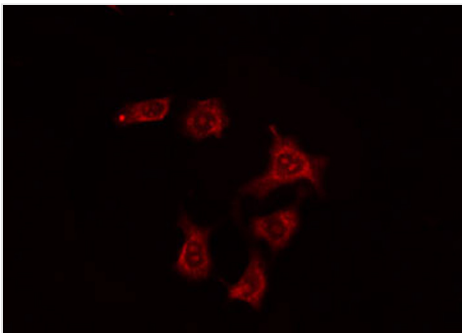
PRODUCT SYNONYMS

ACTN3; Polyclonal Antibody; ACTN3 Antibody; Actinin alpha 3; actinin; alpha; ACTN 3; ACTN3_HUMAN; Alpha actinin skeletal muscle; Alpha actinin skeletal muscle isoform 3; Alpha-Actinin 3; Alpha-actinin skeletal muscle isoform 3; Alpha-actinin-3; F actin cross linking protein; F-actin cross-linking protein; MGC117002; MGC117005; OTTHUMP00000219049; OTTHUMP00000219054; anti-ACTN3 antibody

PRODUCT SPECIFICATIONS

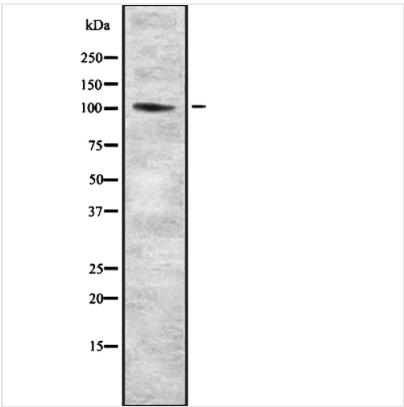
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ACTN3 antibody detects endogenous levels of total ACTN3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	901
Applicable Applications for anti-ACTN3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ACTN3
Tissue Specificity	Expressed only in a subset of type 2 skeletal muscle fibers.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327379 staining HT29 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of ACTN3 using HuvEc whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-ACTN3 antibody	Function: F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein. Subunit Structure: Homodimer; antiparallel. Also forms heterodimers with ACTN2. Interacts with MYOZ1. Similarity: Belongs to the alpha-actinin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	585866354
NCBI GeneID	89
NCBI Accession #	NP_001095.2
NCBI GenBank Nucleotide #	NM_001104.3
UniProt Accession #	Q08043; Q4KKV2; A6NP77
Molecular Weight	Observed: 103 kDa Predicted: 104 kDa
NCBI Official Full Name	alpha-actinin-3 isoform 1
NCBI Official Synonym Full Names	actinin alpha 3 (gene/pseudogene)
NCBI Official Symbol	ACTN3
NCBI Official Synonym Symbols	ACTN3D
NCBI Protein Information	alpha-actinin-3
UniProt Protein Name	Alpha-actinin-3
UniProt Gene Name	ACTN3

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.