

Rabbit anti-Human ACTN3 Monoclonal Antibody | anti-ACTN3 antibody

ACTN3 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282771	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ACTN3; Monoclonal Antibody; ACTN3 Rabbit mAb; ACTN3D; anti-ACTN3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	DRLEGDHQLL QESLVFDNKH TVYSMEHIRV GWEQLLTSLA RTINEVENQV LTRDAKGLSQ EQLNEFRASF NHFDRKQNGM MEPDDFRACL ISMGYDLGEV E
Applicable Applications for anti-ACTN3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 700-800 of human ACTN3 (Q08043).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



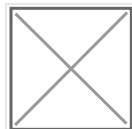
IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded mouse bone marrow using ACTN3 Rabbit mAb (AAA282771) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded rat bone marrow using ACTN3 Rabbit mAb (AAA282771) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of various lysates using ACTN3 Rabbit mAb (AAA282771) at 1:1000 dilution. Secondary antibody: HRP-conjugated 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: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTN3 antibody	This gene encodes a member of the alpha-actin binding protein gene family. The encoded protein is primarily expressed in skeletal muscle and functions as a structural component of sarcomeric Z line. This protein is involved in crosslinking actin containing thin filaments. An allelic polymorphism in this gene results in both coding and non-coding variants; the reference genome represents the coding allele. The non-functional allele of this gene is associated with elite athlete status.
Product Categories/Family for anti-ACTN3 antibody	Signal Transduction; Cell Biology Developmental Biology; Apoptosis; Cytoskeleton; Microfilaments; Immunology Inflammation; T Cell Receptor Signaling Pathway; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	385648244
NCBI GeneID	89
NCBI Accession #	NP_001245300.1
NCBI GenBank Nucleotide #	NM_001258371.1
UniProt Accession #	Q08043; Q4KKV2; A6NP77
Molecular Weight	Calculated MW: 103kDa Observed MW: 103kDa
UniProt Protein Name	Alpha-actinin-3
UniProt Gene Name	ACTN3
UniProt Entry Name	ACTN3_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/monoclonal/actn3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282771>