Rabbit ACTN3 Polyclonal Antibody | anti-ACTN3 antibody

Rabbit Polyclonal (IgG) to Human ACTN3

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51098	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Western Blot, Immunohistochemistry**

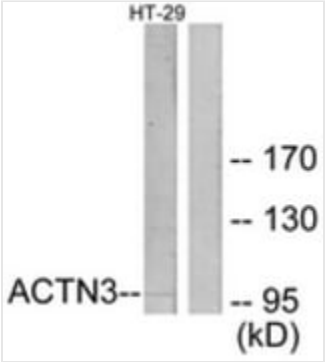
PRODUCT SYNONYMS

ACTN3; Polyclonal Antibody; Rabbit Polyclonal (IgG) to Human ACTN3; Anti-ACTN3 Antibody (aa1-50) IHC-plus; Actinin; alpha 3; Alpha-actinin skeletal muscle; Alpha-actinin-3; F-actin cross-linking protein; Human ACTN3; anti-ACTN3 antibody

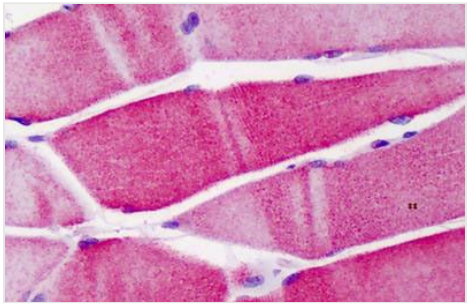
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ACTN3 Antibody detects endogenous levels of total ACTN3 protein.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS (without Mg2+, Ca2+), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol
Concentration	1 mg/ml (varies by lot)
Sequence Length	901
Applicable Applications for anti-ACTN3 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide from human ACTN3 (aa1-50).
Immunogen	ACTN3 antibody was raised against synthetic peptide from human ACTN3 (aa1-50).
Antigen Modification	aa1-50
Preparation and Storage	Store at -20 degree C for up to one year.

IMAGES



WB (Western Blot)
Western blot of extracts from HT-29 cells, using ACTN3 Antibody. The lane on the right is treated with the synthesized peptide.



IHC (Immunohistochemistry)
Anti-ACTN3 antibody IHC of human skeletal muscle. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTN3 antibody	Alpha-actinin is an actin-binding protein with multiple roles in different cell types. ACTN3 expression is limited to skeletal muscle. It is localized to the Z-disc and analogous dense bodies, where it helps to anchor the myofibrillar actin filaments.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557241
NCBI GeneID	89
NCBI Accession #	NP_001095.1
NCBI GenBank Nucleotide #	NM_001104.2
UniProt Accession #	Q08043; Q4KKV2; A6NP77
Molecular Weight	103,241 Da
NCBI Official Full Name	alpha-actinin-3 isoform 1
NCBI Official Synonym Full Names	actinin, alpha 3 (gene/pseudogene)
NCBI Official Symbol	ACTN3
NCBI Protein Information	alpha-actinin-3; F-actin cross-linking protein; alpha-actinin skeletal muscle
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://www.aaabiotech.com/polyclonal/actn3-antibody-western-blot-immunohistochemistry-elisa/51098