



# Actinin- $\alpha$ 3 rabbit pAb

Cat No.:ES1595

For research use only

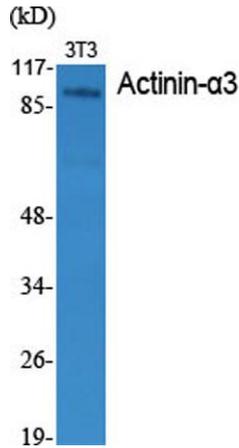
## Overview

<b>Product Name</b>	Actinin- $\alpha$ 3 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ACTN3. AA range:1-50
<b>Specificity</b>	Actinin- $\alpha$ 3 Polyclonal Antibody detects endogenous levels of Actinin- $\alpha$ 3 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Alpha-actinin-3
<b>Gene Name</b>	ACTN3
<b>Cellular localization</b>	intracellular,cytosol,actin filament,brush border,focal adhesion,Z disc,pseudopodium,extracellular exosome,
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	103kD
<b>Human Gene ID</b>	89
<b>Human Swiss-Prot Number</b>	Q08043
<b>Alternative Names</b>	ACTN3; Alpha-actinin-3; Alpha-actinin skeletal muscle isoform 3; F-actin cross-linking protein
<b>Background</b>	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

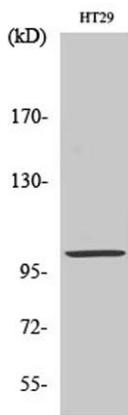




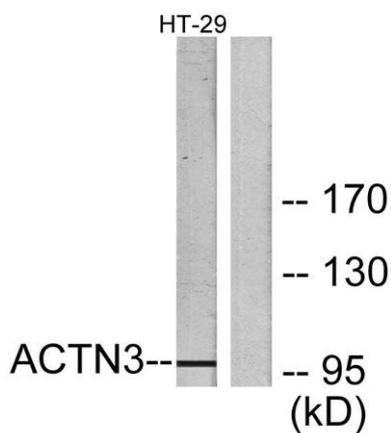
protein is involved in crosslinking actin containing thin filaments. An allelic polymorphism in this gene results in both coding and non-coding variants; the reference genome represents the coding allele. The non-functional allele of this gene is associated with elite athlete status. [provided by RefSeq, Feb 2014],



Western Blot analysis of various cells using Actinin- $\alpha$ 3 Polyclonal Antibody



Western Blot analysis of HT29 cells using Actinin- $\alpha$ 3 Polyclonal Antibody



Western blot analysis of lysates from HT-29 cells, using ACTN3 Antibody. The lane on the right is blocked with the synthesized peptide.

