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ACTN3 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50960

Specification

ACTN3 Antibody - Product Information

Application	**WB**
Primary Accession	Q08043
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**100 KDa**
Antigen Region	**1 - 60**

ACTN3 Antibody - Additional Information

Gene ID 89

Other Names
Alpha-actinin-3, Alpha-actinin skeletal muscle isoform 3, F-actin cross-linking protein, ACTN3

Target/Specificity
KLH conjugated synthetic peptide derived from human ACTN3

Dilution
WB~~ 1:1000

Format
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage
Store at -20 °C.Stable for 12 months from date of receipt

ACTN3 Antibody - Protein Information

Name ACTN3

Function
F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein.

Tissue Location
Expression restricted to fast (type 2) skeletal muscle fibers (at protein level).

ACTN3 Antibody - Protocols

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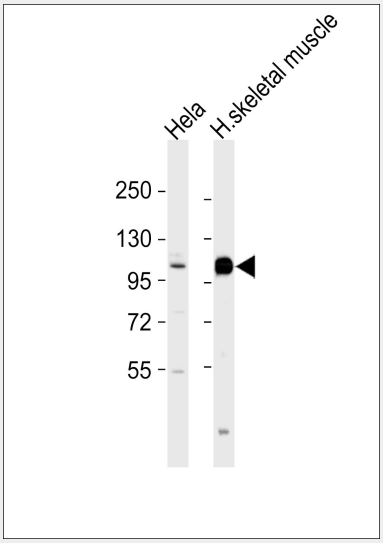
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ACTN3 Antibody - Images



All lanes : Anti-ACTN3 Antibody at 1:1000 dilution Lane 1: Hela whole cell lysates Lane 2: human skeletal muscle lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 103 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

ACTN3 Antibody - Background

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein.

ACTN3 Antibody - References

Beggs A.H.,et al.J. Biol. Chem. 267:9281-9288(1992).
Taylor T.D.,et al.Nature 440:497-500(2006).
Mills M.,et al.Hum. Mol. Genet. 10:1335-1346(2001).
Takada F.,et al.Proc. Natl. Acad. Sci. U.S.A. 98:1595-1600(2001).
Franzot G.,et al.J. Mol. Biol. 348:151-165(2005).