

A12797

Leader in Biomolecular Solutions for Life Science



ACTN3 Rabbit pAb

Catalog No.: A12797

Basic Information

Observed MW

103kDa

Calculated MW

103kDa

Category

Polyclonal Antibody

Applications

WB, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

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.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:100 - 1:500

Immunogen Information

Gene ID

89

Swiss Prot

Q08043

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 580-630 of human ACTN3 (NP_001095.2).

Synonyms

ACTN3D; ACTN3

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

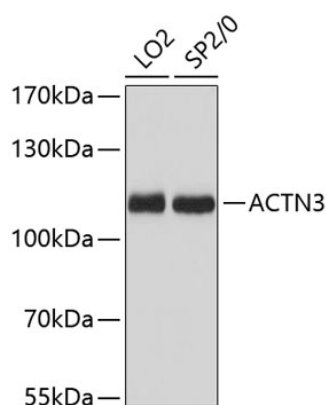
Affinity purification

Storage

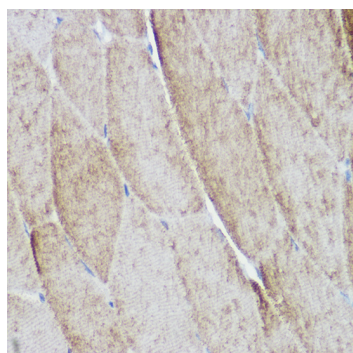
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

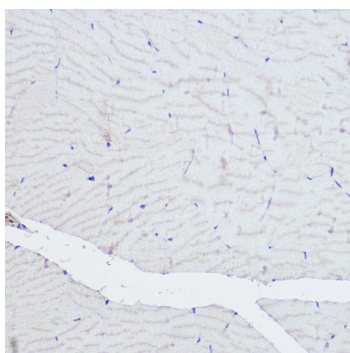
Validation Data



Western blot analysis of various lysates using ACTN3 Rabbit pAb (A12797) at 1:3000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Immunohistochemistry analysis of ACTN3 in paraffin-embedded mouse skeletal muscle using ACTN3 Rabbit pAb (A12797) at dilution of 1:500 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of ACTN3 in paraffin-embedded rat skeletal muscle using ACTN3 Rabbit pAb (A12797) at dilution of 1:500 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.