

α -Actinin Rabbit mAb

Catalog No.: A25811 **Recombinant**

Basic Information

Observed MW

103kDa

Calculated MW

103kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse

CloneNo number

ARC64198

Background

Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. This gene encodes a nonmuscle, cytoskeletal, alpha actinin isoform and maps to the same site as the structurally similar erythroid beta spectrin gene. Three transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:1000 - 1:5000**IHC-P** 1:50- 1:200

Immunogen Information

Gene ID

87

Swiss Prot

P12814

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 281-380 of human α -Actinin (NP_001093.1).

Synonyms

BDPLT15; ACTN1

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

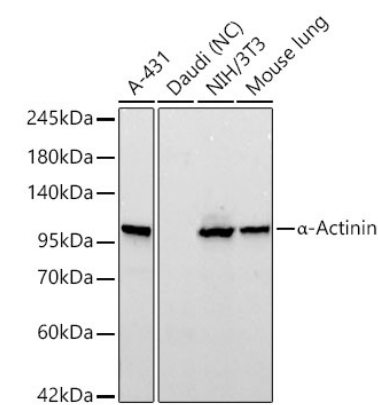
Affinity purification

Storage

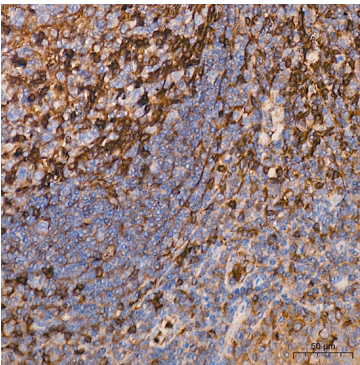
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates using α-Actinin Rabbit mAb (A25811) at 1:2900 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): Daudi
Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using α-Actinin Rabbit mAb (A25811) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.