
Product Name: KD-Validated CAPZA1 Mouse Monoclonal Antibody**Catalog #: KVAb00593**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:100-1:1,000
Molecular Weight	Calculated MW: 32.9kDa

Antigen Information

Gene Name	CAPZA1
Alternative Names	CAPZA1; Capping Actin Protein Of Muscle Z-Line Subunit Alpha 1; CAPPA1; Capping Protein (Actin Filament) Muscle Z-Line, Alpha 1; Capping Actin Protein Of Muscle Z-Line Alpha Subunit 1; F-Actin-Capping Protein Subunit Alpha-1; CapZ Alpha-1; Cap Z; CAPZ; CAZ1
Gene ID	829.0
SwissProt ID	P52907
Immunogen	Recombinant protein of human CAPZA1

Background

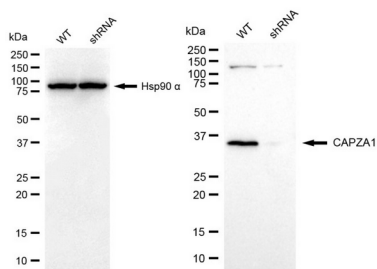
CAPZA1 is a member of the F-actin capping protein alpha subunit family. This gene encodes the alpha subunit of the barbed-end actin binding protein. The protein regulates growth of the actin filament by capping the barbed end of growing actin

filaments. [provided by RefSeq, Jul 2008]

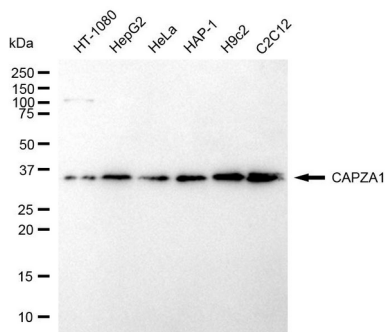
Research Area

Signal Transduction

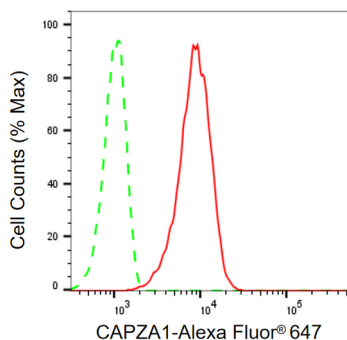
Image Data



Western blotting analysis using CAPZA1 antibody (KVA00593). CAPZA1 expression in wild-type (WT) and CAPZA1 shRNA knockdown (KD) HeLa cells with 40 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CAPZA1 antibody (KVA00593, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using CAPZA1 antibody (KVA00593). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CAPZA1 antibody (KVA00593, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of CAPZA1 expression in C2C12 cells using CAPZA1 antibody (KVA00593, 1:1,000). Green, isotype control; red, CAPZA1.