

[KD Validated] Anti-CAPZA1 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

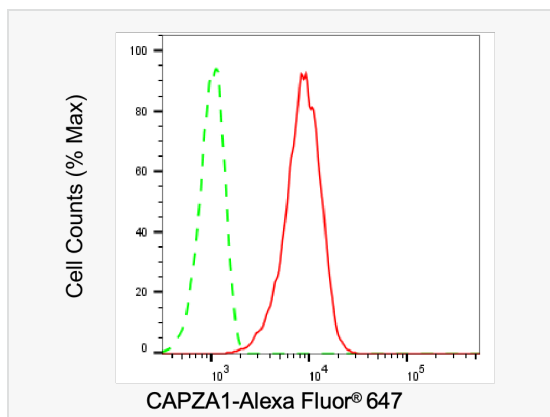
Catalog # M020666

Product Information

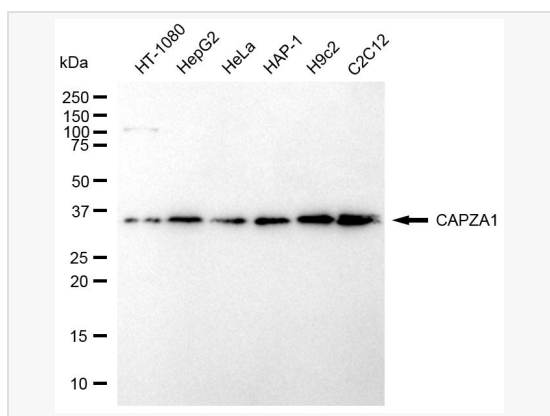
Application	WB, FC
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:2,500; FC 1:1,000
Host	Mouse
Clonality	Monoclonal
Clone No.	42D34H68
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human CAPZA1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-CAPZA1 Mouse mAb [42D34H68] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

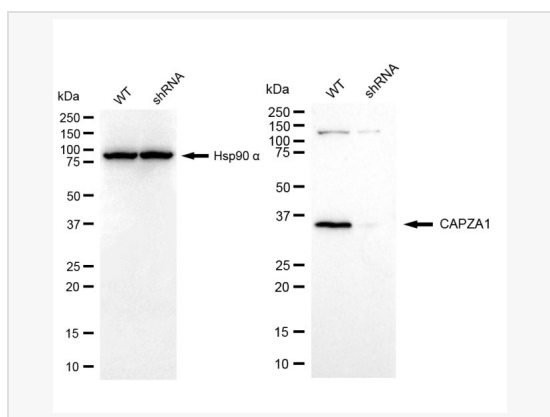
Synonyms	CAPZA1; Capping Actin Protein Of Muscle Z-Line Subunit Alpha 1; CAPP1; Capping Protein (Actin Filament) Muscle Z-Line, Alpha 1; Capping Actin Protein Of Muscle Z-Line Alpha Subunit 1; F-Actin-Capping Protein Subunit Alpha-1; CapZ Alpha-1; Cap Z; CAPZ; CAZ1.
Calculated MW	Calculated MW: 33 kDa; Observed MW: 36 kDa
Uniprot ID	P52907
Gene ID	829
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.



Flow cytometric analysis of CAPZA1 expression in C2C12 cells using CAPZA1 antibody (M020666, 1:1,000). Green, isotype control; red, CAPZA1.



Western blotting analysis using CAPZA1 antibody (M020666). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CAPZA1 antibody (M020666, 1:2,500) and HRP-conjugated goat mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using CAPZA1 antibody (M020666). CAPZA1 expression in wild-type (WT) and CAPZA1 shRNA knockdown (KD) HeLa cells with 40 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CAPZA1 antibody (M020666, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.