ARG58328
anti-CAPZA2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CAPZA2
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CAPZA2
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-286 of Human CAPZA2 (NP_006127.1).
Conjugation	Un-conjugated
Alternate Names	F-actin-capping protein subunit alpha-2; CapZ alpha-2; CAPZ; CAPPA2

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:100
WB	1:500 - 1:1000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	THP-1
Observed Size	38 kDa

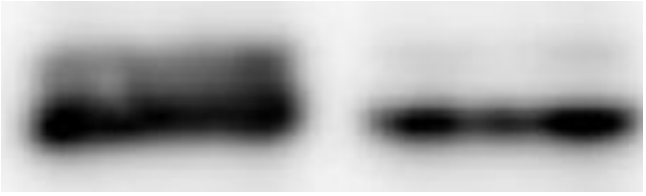
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CAPZA2
Gene Full Name	capping protein (actin filament) muscle Z-line, alpha 2
Background	The protein encoded by this gene is a member of the F-actin capping protein alpha subunit family. It is the alpha subunit of the barbed-end actin binding protein Cap Z. By capping the barbed end of actin filaments, Cap Z regulates the growth of the actin filaments at the barbed end. [provided by RefSeq, Jul 2008]
Function	F-actin-capping proteins bind in a Ca(2+)-independent manner to the fast growing ends of actin filaments (barbed end) thereby blocking the exchange of subunits at these ends. Unlike other capping proteins (such as gelsolin and severin), these proteins do not sever actin filaments. [UniProt]
Calculated Mw	33 kDa

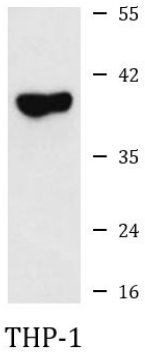
Images



ARG58328 anti-CAPZA2 antibody WB image

Western blot: B16-F1 stained with ARG58328 anti-CAPZA2 antibody.

From Amelie Schellenbauer et al. Preprint- (2021), doi: 10-1101-2021-03-15-435411, Fig. 6. A.



ARG58328 anti-CAPZA2 antibody WB image

Western blot: 25 µg of THP-1 cell lysate stained with ARG58328 anti-CAPZA2 antibody at 1:1000 dilution.