

ARG55298 anti-CAPZB antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CAPZB
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CAPZB
Species	Human
Immunogen	Recombinant protein of Human CAPZB
Conjugation	Un-conjugated
Alternate Names	CapZ beta; F-actin-capping protein subunit beta; CAPZ; CAPB; CAPPB

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat small intestine, Mouse spleen and A431	
Observed Size	~ 31 kDa	

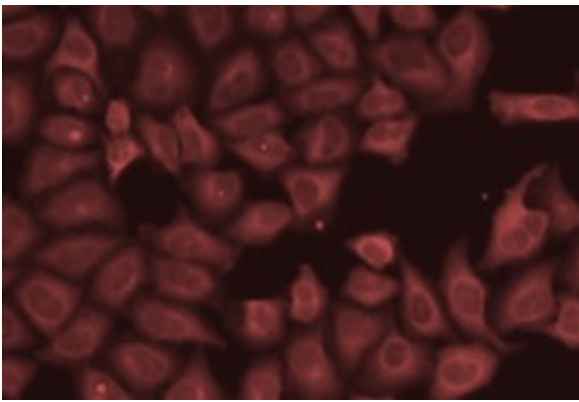
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
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

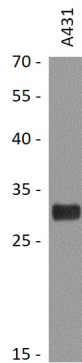
Gene Symbol	CAPZB
Gene Full Name	capping protein (actin filament) muscle Z-line, beta
Background	This gene encodes the beta subunit of the barbed-end actin binding protein, which belongs to the F-actin capping protein family. The capping protein is a heterodimeric actin capping protein that blocks actin filament assembly and disassembly at the fast growing (barbed) filament ends and functions in regulating actin filament dynamics as well as in stabilizing actin filament lengths in muscle and nonmuscle cells. A pseudogene of this gene is located on the long arm of chromosome 2. Multiple alternatively spliced transcript variants encoding different isoforms have been found.[provided by RefSeq, Aug 2013]
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. Plays a role in the regulation of cell morphology and cytoskeletal organization. [UniProt]
Research Area	Signaling Transduction antibody
Calculated Mw	31 kDa

Images



ARG55298 anti-CAPZB antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG55298 anti-CAPZB antibody at 1:100 dilution.



ARG55298 anti-CAPZB antibody WB image

Western blot: 25 µg of A431 cell lysate stained with ARG55298 anti-CAPZB antibody at 1:1000 dilution.

ARG55298 anti-CAPZB antibody WB image

Western blot: 25 µg of Rat small intestine and Mouse spleen lysates stained with ARG55298 anti-CAPZB antibody at 1:1000 dilution.

