

KD-Validated Anti-CAPZA1 Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI2006

Product Information

Application	WB, FC
Primary Accession	P52907
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Names	24GB7905
Calculated MW	32923
Gene Name	CAPZA1
Aliases	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
Immunogen	Recombinant protein of human CAPZA1

Additional Information

Gene ID	829
Other Names	F-actin-capping protein subunit alpha-1, CapZ alpha-1, CAPZA1 (HGNC:1488)

Protein Information

Name	CAPZA1 (HGNC:1488)
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. May play a role in the formation of epithelial cell junctions (PubMed: 22891260). Forms, with CAPZB, the barbed end of the fast growing ends of actin filaments in the dynactin complex and stabilizes dynactin structure. The dynactin multiprotein complex activates the molecular motor dynein for ultra-processive transport along microtubules (By similarity).
Cellular Location	Cytoplasm, cytoskeleton {ECO:0000250 UniProtKB:A0PFK5}

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