

## Mouse anti-Human CAPZA1 Monoclonal Antibody | anti-CAPZA1 antibody

CAPZA1 Mouse Monoclonal

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                            |
|-----------|-------|------------|-----------------------------------------|
| AAA102720 | Mouse | Human      | Immunofluorescence, Western Blot, ELISA |

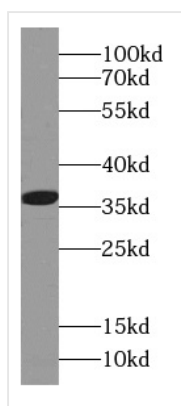
### PRODUCT SYNONYMS

CAPZA1; Monoclonal Antibody; CAPZA1 Mouse Monoclonal; anti-CAPZA1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                     |
|--------------------------------------------------|---------------------------------------------------------------------|
| Host                                             | Mouse                                                               |
| Reactivity                                       | Human                                                               |
| Clonality                                        | Monoclonal                                                          |
| Isotype                                          | IgG1                                                                |
| Clone Number                                     | 2C8                                                                 |
| Purity/Purification                              | ≥ 95% as determined by SDS-PAGE<br>Protein A+G purification         |
| Form/Format                                      | Liquid; PBS with 0.02% sodium azide and 50% glycerol pH 7.3         |
| Sequence Length                                  | 286                                                                 |
| Applicable Applications for anti-CAPZA1 antibody | IF (Immunofluorescence), WB (Western Blot), ELISA                   |
| Immunogen                                        | Capping protein (actin filament) muscle Z-line, alpha 1             |
| Preparation and Storage                          | Store at -20°C for 12 months (Avoid repeated freeze / thaw cycles.) |

### IMAGES



#### WB (Western Blot)

HeLa cells were subjected to SDS PAGE followed by western blot with AAA102720 (CAPZA1 antibody) at dilution of 1:1000

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CAPZA1 antibody | 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. |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 49456595                                               |
| NCBI GeneID                      | 829                                                    |
| UniProt Accession #              | P52907; Q53FQ6; Q6FHD5                                 |
| Molecular Weight                 | Observed MW: 37kd                                      |
| NCBI Official Full Name          | CAPZA1                                                 |
| NCBI Official Synonym Full Names | capping actin protein of muscle Z-line alpha subunit 1 |
| NCBI Official Symbol             | CAPZA1                                                 |
| NCBI Official Synonym Symbols    | CAPZ; CAZ1; CAPPA1                                     |
| NCBI Protein Information         | F-actin-capping protein subunit alpha-1                |
| UniProt Protein Name             | F-actin-capping protein subunit alpha-1                |
| UniProt Gene Name                | CAPZA1                                                 |
| UniProt Entry Name               | CAZA1_HUMAN                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/capza1-antibody-clone-2c8-immunofluorescence-western-blot-elisa/102720>