

## Rabbit anti-Human CAPZA1 Polyclonal Antibody | anti-CAPZA1 antibody

CAPZA1 Antibody

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA303396</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

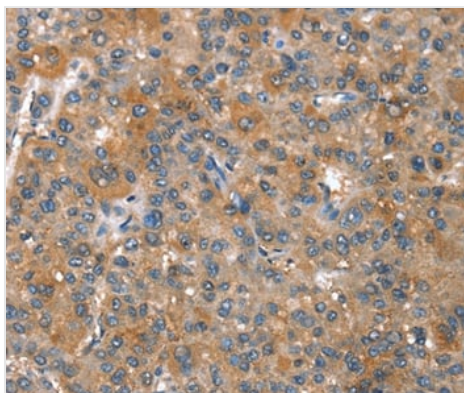
### PRODUCT SYNONYMS

CAPZA1; Polyclonal Antibody; CAPZA1 Antibody; CAPZ; CAZ1; CAPP1; anti-CAPZA1 antibody

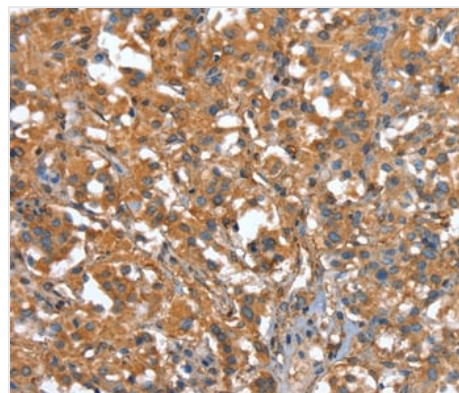
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                             |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                      |
| Reactivity                                       | Human                                                                                                                                       |
| Clonality                                        | Polyclonal                                                                                                                                  |
| Specificity                                      | The antibody detects endogenous levels of total CAPZA1 protein.                                                                             |
| Purity/Purification                              | Antigen affinity purification.                                                                                                              |
| Form/Format                                      | Rabbit IgG in pH7.3 PBS, 0.05% NaN <sub>3</sub> , 50% Glycerol.                                                                             |
| Concentration                                    | 2.2 mg/ml (varies by lot)                                                                                                                   |
| Sequence Length                                  | 286                                                                                                                                         |
| Applicable Applications for anti-CAPZA1 antibody | IHC (Immunohistochemistry)                                                                                                                  |
| Immunogen Type                                   | Peptide                                                                                                                                     |
| Immunogen Description                            | Synthetic peptide corresponding to a region derived from internal residues of human capping protein (actin filament) muscle Z-line, alpha 1 |
| Target Name                                      | CAPZA1                                                                                                                                      |
| Preparation and Storage                          | Store at -20 degree C                                                                                                                       |

### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using at dilution 1/25.


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/25.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CAPZA1 antibody | 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. F-actin-capping proteins bind in a Ca2+-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. |
| Product Categories/Family for anti-CAPZA1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| NCBI GI #                        | 5453597                                                 |
| NCBI GeneID                      | 829                                                     |
| NCBI Accession #                 | NP_006126.1                                             |
| NCBI GenBank Nucleotide #        | NM_006135.2                                             |
| UniProt Accession #              | P52907; Q53FQ6; Q6FHD5                                  |
| Molecular Weight                 | 32,923 Da                                               |
| NCBI Official Full Name          | F-actin-capping protein subunit alpha-1                 |
| NCBI Official Synonym Full Names | capping protein (actin filament) muscle Z-line, alpha 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.