

## Product datasheet for **CF501125**

### **CAPZA1 Mouse Monoclonal Antibody [Clone ID: OTI7C8]**

#### **Product data:**

|                                |  |
|--------------------------------|--|
| <b>Product Type:</b>           | Primary Antibodies   |
| <b>Clone Name:</b>             | OTI7C8   |
| <b>Applications:</b>           | FC, WB   |
| <b>Recommended Dilution:</b>   | WB 1:200~500   |
| <b>Reactivity:</b>             | Human, Dog, Rat, Monkey, Mouse   |
| <b>Host:</b>                   | Mouse  |
| <b>Isotype:</b>                | IgG1   |
| <b>Clonality:</b>              | Monoclonal   |
| <b>Immunogen:</b>              | Full length human recombinant protein of human CAPZA1 (NP_006126) produced in HEK293T cell.  |
| <b>Formulation:</b>            | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)  |
| <b>Reconstitution Method:</b>  | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| <b>Purification:</b>           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| <b>Conjugation:</b>            | Unconjugated   |
| <b>Storage:</b>                | Store at -20°C as received.  |
| <b>Stability:</b>              | Stable for 12 months from date of receipt.   |
| <b>Predicted Protein Size:</b> | 32.7 kDa   |
| <b>Gene Name:</b>              | capping actin protein of muscle Z-line subunit alpha 1   |
| <b>Database Link:</b>          | <a href="#">NP_006126</a><br><a href="#">Entrez Gene 691149</a> <a href="#">RatEntrez Gene 475857</a> <a href="#">DogEntrez Gene 705653</a> <a href="#">MonkeyEntrez Gene 829</a><br><a href="#">Human</a><br><a href="#">P52907</a>   |



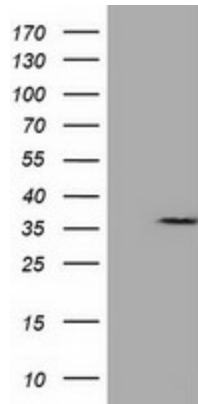
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**Background:**

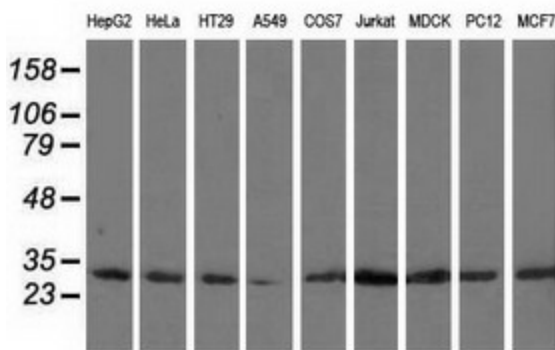
CAPZA1 is a member of the F-actin capping protein alpha subunit family. This gene encodes the alpha subunit of the barbed-end actin binding protein. The protein regulates growth of the actin filament by capping the barbed end of growing actin filaments. [provided by RefSeq]

**Synonyms:**

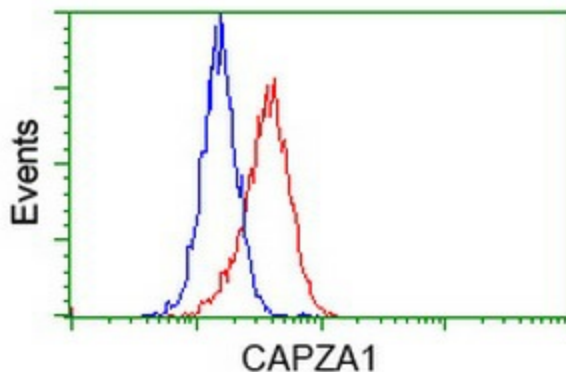
CAPPA1; CAPZ; CAZ1

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CAPZA1 ([RC201642], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CAPZA1. Positive lysates [LY401848] (100ug) and [LC401848] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-CAPZA1 monoclonal antibody.



Flow cytometric Analysis of HeLa cells, using anti-CAPZA1 antibody ([TA501125]), (Red), compared to a nonspecific negative control antibody, (Blue) (1:100).