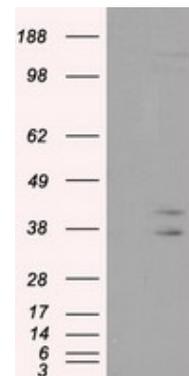


**Name:** Purified anti-CAPZA1 mouse monoclonal antibody, clone 2G4**Catalog:** TA501124**Product Data Sheet**

**Gene Name:** Homo sapiens capping protein (actin filament) muscle Z-line, alpha 1 (CAPZA1)  
**GeneBank accession:** NM\_006135  
**Isotype:** IgG1

**Reactivity:** Human  
**Test application:** WB  
**Clone Name:** clone 2G4

**Gene Synonym:** CAPPA1; CAPZ; CAZ1; CAPZ; CAZ1; Cap Z; F-actin capping protein alpha-1 subunit; OTTHUMP0000013512; capping protein (actin filament) muscle Z-line, alpha 1

**Validation Data:****Western Blot**

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CAPZA1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 µg per lane) were separated by SDS-PAGE and immunoblotted with anti-CAPZA1.

**Guaranteed Applications:** WB, IHC**Suggested Dilutions:** WB 1:500, IHC 1:50, Flow 1:100

**Immunogen:** Full length human recombinant protein of human CAPZA1(NP\_006126) produced in HEK293T cell.

**Components:**

- Purified anti-CAPZA1 mouse monoclonal antibody, clone 2G4 (TA501124)
- 1 vial of 20µg myc-DDK tagged CAPZA1 HEK293T over-expression lysate lyophilized in RIPA buffer (LY401848) (Reconstitute into 20µl of 1x SDS sample buffer before loading)  
(Not available for 30µl sample size)

**Amount:**

TA501124-100 100 µL

**Concentration:** 0.5-1.0 mg/ml

**Storage Condition:** Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use.  
 Stable for 12 months from date of receipt.  
 Avoid repeated freeze-thaws.

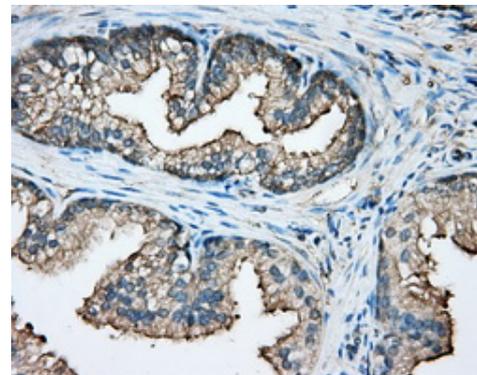
**Buffer:** PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

**Purification:**

Purified from mouse ascites fluids by affinity chromatography

**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.

**IHC data**

Immunohistochemical staining of paraffin-embedded prostate tissue using anti-CAPZA1 mouse monoclonal antibody. (TA501124, Dilution 1:50)

\* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

***This product is to be used for laboratory only. Not for diagnostic or therapeutic use.***

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