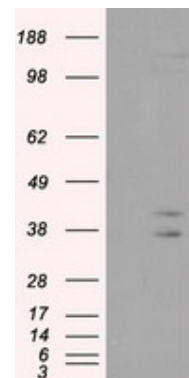


Name: Purified anti-CAPZA1 mouse monoclonal antibody, clone 2G4**Catalog:** TA501124**Product Data Sheet**

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; OTTHUMP00000013512; 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 20ul of 1x SDS sample buffer before loading)
(Not available for 30ul 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.

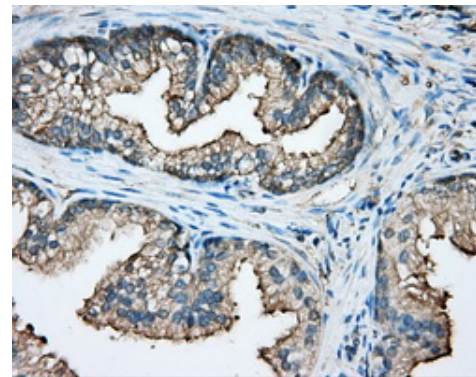
Buffer: PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

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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