

## Product datasheet for **TA501124M**

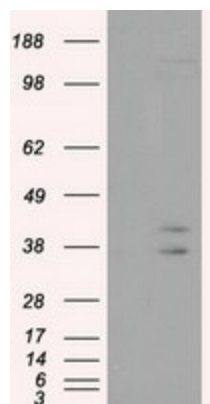
### **CAPZA1 Mouse Monoclonal Antibody [Clone ID: OTI2G4]**

#### **Product data:**

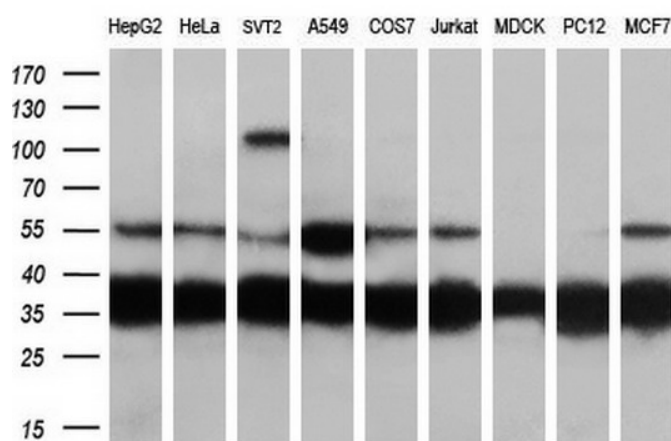
Product Type:	Primary Antibodies
Clone Name:	OTI2G4
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:50, Flow 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CAPZA1(NP_006126) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.67 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	32.7 kDa
Gene Name:	capping actin protein of muscle Z-line subunit alpha 1
Database Link:	<a href="#">NP_006126</a> <a href="#">Entrez Gene 691149 Rat</a> <a href="#">Entrez Gene 829 Human</a> <a href="#">P52907</a>
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.
Synonyms:	CAPPA1; CAPZ; CAZ1


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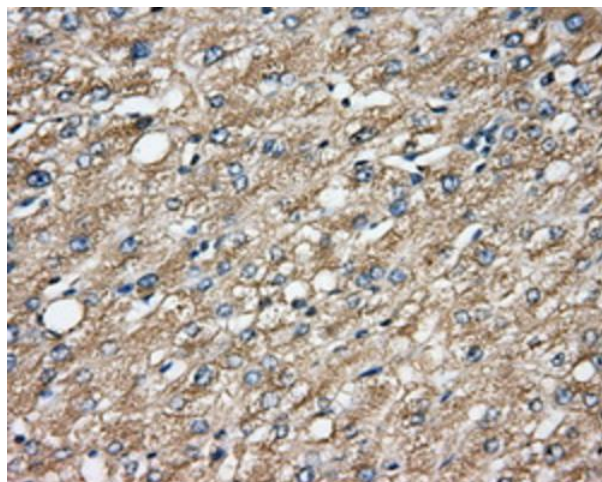
## Product images:



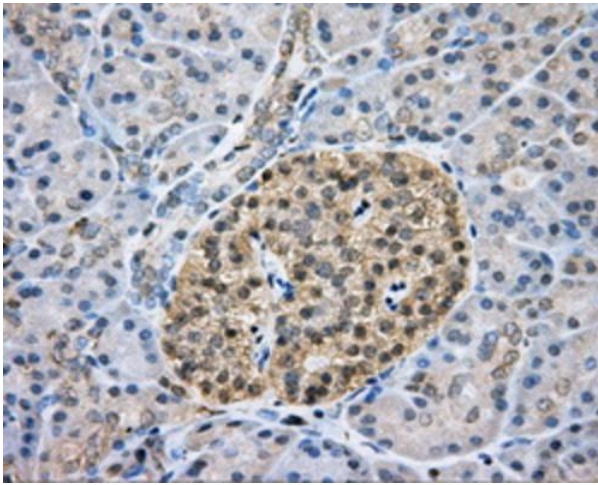
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CAPZA1 (Cat# [RC201642], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CAPZA1 (Cat# [TA501124]). Positive lysates [LY401848] (100ug) and [LC401848] (20ug) can be purchased separately from OriGene.



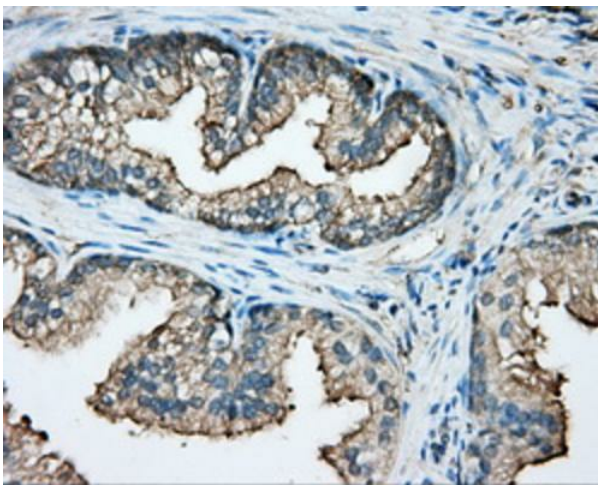
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-CAPZA1 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



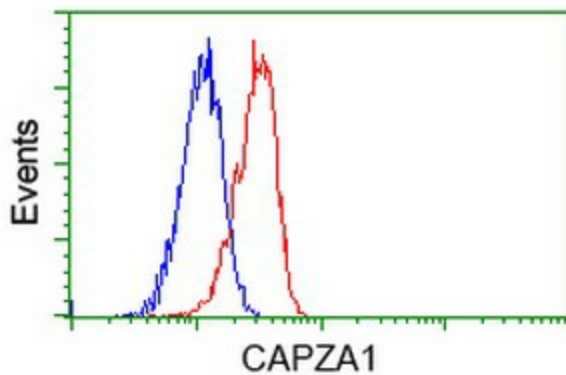
Immunohistochemical staining of paraffin-embedded liver tissue within the normal limits using anti-CAPZA1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded pancreas tissue within the normal limits using anti-CAPZA1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded prostate tissue within the normal limits using anti-CAPZA1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Flow cytometric Analysis of Jurkat cells, using anti-CAPZA1 antibody ([TA501124]), (Red), compared to a nonspecific negative control antibody, (Blue) (1:100).