

For Research Use Only

CAPZA1 Monoclonal antibody

Catalog Number: 66066-1-Ig

Featured Product

2 Publications



Basic Information

Catalog Number:

66066-1-Ig

Size:

150ul, Concentration: 853 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG18841

GenBank Accession Number:

BC000144

GeneID (NCBI):

829

UNIPROT ID:

P52907

Full Name:

capping protein (actin filament) muscle Z-line, alpha 1

Calculated MW:

286 aa, 33 kDa

Observed MW:

37 kDa

Purification Method:

Protein G purification

CloneNo.:

10H1F9

Recommended Dilutions:

WB: 1:1000-1:8000

IHC: 1:400-1:1600

IF/ICC: 1:50-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, Jurkat cells, ROS1728 cells, PC-12 cells, RAW 264.7 cells, NIH/3T3 cells

IHC : human skin cancer tissue,

IF/ICC : HeLa cells, MCF-7 cells

Background Information

CAPZA1 (F-actin-capping protein subunit alpha-1) is a member of the F-actin capping protein alpha subunit family and regulates actin filament growth, stability and disassembly. Differential expression of CAPZA1 has been found in gastric cancer and melanoma, indicating its possible role in tumorigenesis. (21566537, 23545944)

Notable Publications

Author	Pubmed ID	Journal	Application
Sunali Mehta	32882852	Cancers (Basel)	IF
James S Ye	40166235	bioRxiv	

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

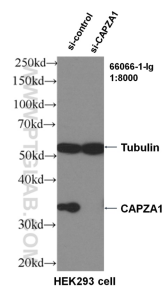
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

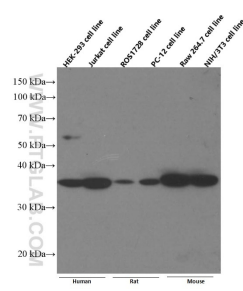
E: proteintech@ptglab.com
W: ptglab.com

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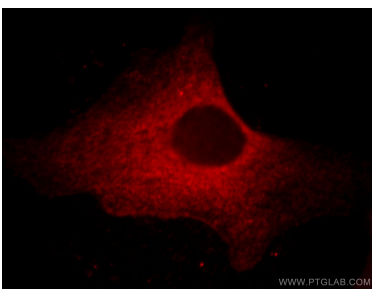
Selected Validation Data



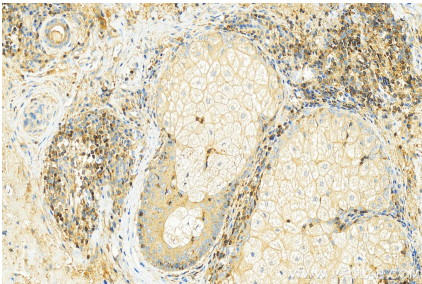
WB result of CAPZA1 antibody (66066-1-Ig, 1:8000) with si-Control and si-CAPZA1 transfected HEK293 cells.



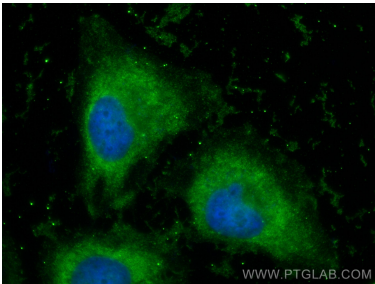
Western blot analysis of CAPZA1 in various cell lines using Proteintech antibody 66066-1-Ig at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HeLa cells using 66066-1-Ig (CAPZA1 antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 66066-1-Ig (CAPZA1 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CAPZA1 antibody (66066-1-Ig, Clone: 10H1F9) at dilution of 1:800 and CoraLite® 488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).