

For Research Use Only

# CAPZA1 Monoclonal antibody, PBS Only

Catalog Number: 66066-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

66066-1-PBS

**Size:**

100ug, Concentration: 1mg/ml by Nanodrop;

**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

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## 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)

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

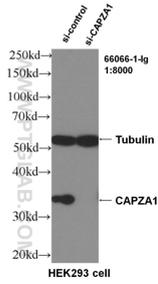
For technical support and original validation data for this product please contact:

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

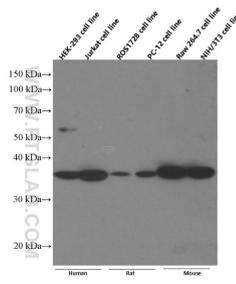
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

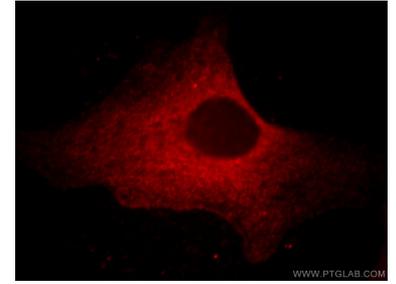
## Selected Validation Data



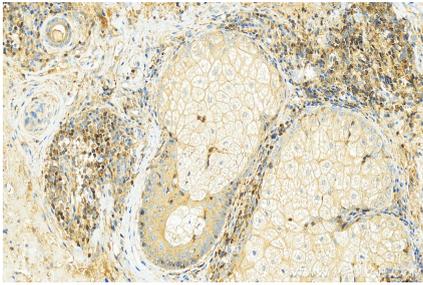
WB result of CAPZA1 antibody (66066-1-Ig, 1:8000) with si-Control and si-CAPZA1 transfected HEK293 cells. This data was developed using the same antibody clone with 66066-1-PBS in a different storage buffer formulation.



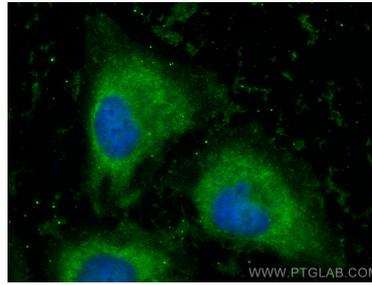
Western blot analysis of CAPZA1 in various cell lines using Proteintech antibody 66066-1-Ig at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66066-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of HeLa cells using 66066-1-Ig (CAPZA1 antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG. This data was developed using the same antibody clone with 66066-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66066-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66066-1-PBS in a different storage buffer formulation.