

For Research Use Only

CAPZA1 Polyclonal antibody

Catalog Number: 11806-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

11806-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 153 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2267

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:

33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IP, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 : human brain tissue,

IP : SH-SY5Y cells,

IHC : human ovary tumor tissue, human pancreas cancer tissue

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
Matthew R Avenarius	28899994	J Cell Biol	WB,IP
Gemoll Timo T	21290163	Cell Mol Life Sci	WB,IHC
Linge Annett A	22570344	Invest Ophthalmol Vis Sci	IHC

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

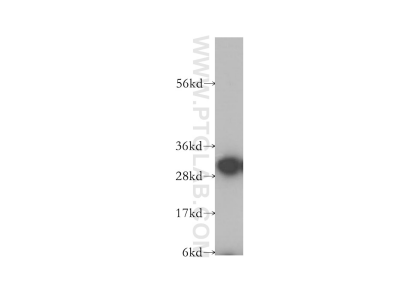
For technical support and original validation data for this product please contact:

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

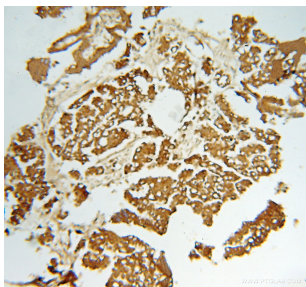
E: proteintech@ptglab.com
W: ptglab.com

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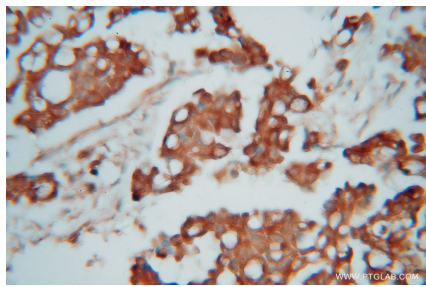
Selected Validation Data



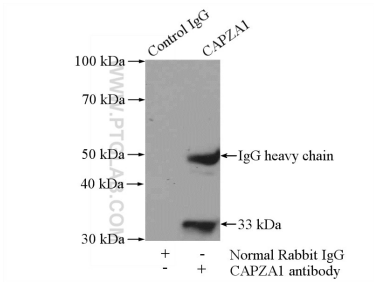
human brain tissue were subjected to SDS PAGE followed by western blot with 11806-1-AP (CAPZA1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 11806-1-AP (CAPZA1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 11806-1-AP (CAPZA1 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-CAPZA1 (IP:11806-1-AP, 4ug; Detection:11806-1-AP 1:300) with SH-SY5Y cells lysate 3000ug.