

For Research Use Only

Calpain 9 Polyclonal antibody

Catalog Number: 17556-1-AP

2 Publications



Basic Information

Catalog Number:

17556-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 347 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11718

GenBank Accession Number:

BC027993

GeneID (NCBI):

10753

UNIPROT ID:

O14815

Full Name:

calpain 9

Calculated MW:

627 aa, 72 kDa

Observed MW:

60-66 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 stomach tissue, HL-60 cells, mouse small intestine tissue

IHC: human stomach cancer tissue, human kidney tissue, human lung tissue, human ovary tissue, human stomach tissue, human testis tissue

IF/ICC: HepG2 cells,

Background Information

Calpain 9 is also named as NCL4 and belongs to the peptidase C2 family. It can be down-regulated in gastric cancer tissue and in gastric cell lines of differentiated and poorly differentiated types. It is predominantly expressed in the gastrointestinal tract and restricted to the gastric surface mucus (pit) cells in the stomach and the function of it is implicated in suppressing tumorigenesis (PMID:20686710).

Notable Publications

Author	Pubmed ID	Journal	Application
Peike Peng	27404891	Sci Rep	WB, IHC
Fang Li	36532773	Front Pharmacol	WB, IF

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)

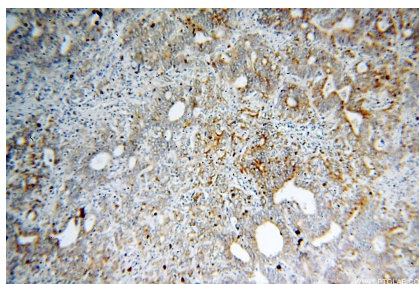
E: proteintech@ptglab.com
W: ptglab.com

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

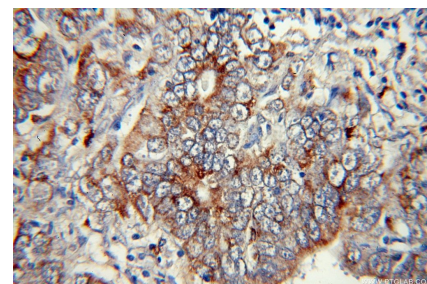
Selected Validation Data



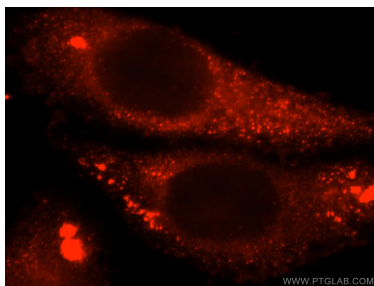
human stomach tissue were subjected to SDS PAGE followed by western blot with 17556-1-AP (Calpain 9 antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer using 17556-1-AP (Calpain 9 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human stomach cancer using 17556-1-AP (Calpain 9 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using CAPN9 antibody 17556-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).