

For Research Use Only

Gelsolin Monoclonal antibody

Catalog Number: 66280-1-Ig

Featured Product



Basic Information

Catalog Number:

66280-1-Ig

Size:

150ul, Concentration: 531 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgA

Immunogen Catalog Number:

AG17916

GenBank Accession Number:

BC026033

GeneID (NCBI):

2934

UNIPROT ID:

P06396

Full Name:

gelsolin (amyloidosis, Finnish type)

Calculated MW:

782 aa, 86 kDa

Observed MW:

80-83 kDa

Purification Method:

Thiophilic affinity chromatograph

CloneNo.:

3C4A2

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:1000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

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 : human plasma tissue, U2OS cells, A549 cells, human plasma, HT-29 cells

IHC : human colon tissue, human colon cancer tissue

Background Information

Gelsolin (GSN) is an actin binding protein that regulates actin-severing/depolymerizing in a calcium dependent manner, and acts as a multifunctional regulator for cell metabolism and survival. Gelsolin exists in two isoforms: a cytoplasmic gelsolin (cGSN; 80-90 kDa) and a plasma gelsolin (pGSN; 93 kDa), differing at N terminal residues. Decreased levels of pGSN are strongly associated with human diseases, such as, acute liver injury, major trauma, myocardial infarction, inflammation, lung injury, rheumatoid arthritis, hemodialysis, multiple sclerosis, Alzheimer's disease.

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

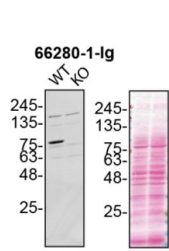
For technical support and original validation data for this product please contact:

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

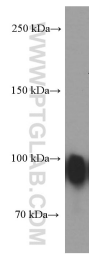
E: proteintech@ptglab.com
W: ptglab.com

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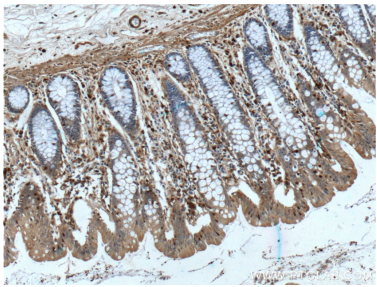
Selected Validation Data



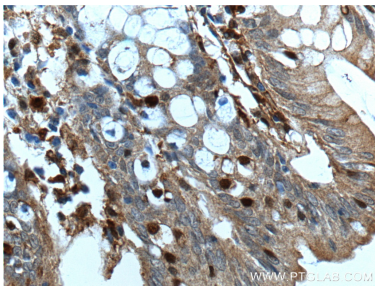
U2OS (WT and GSN KO) lysates prepared with RIPA buffer, 25 µg protein loaded. 66280-1-Ig incubated at 1:1000 at 4°C overnight in 5% BSA in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



human plasma were subjected to SDS PAGE followed by western blot with 66280-1-Ig (Gelsolin Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66280-1-Ig (Gelsolin Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66280-1-Ig (Gelsolin Antibody) at dilution of 1:200 (under 40x lens).