

For Research Use Only

Gelsolin Monoclonal antibody, PBS Only



Catalog Number: 66280-1-PBS

Featured Product

Basic Information

Catalog Number:

66280-1-PBS

Size:

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

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

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

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 -80°C.

Storage Buffer:

PBS Only

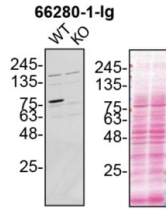
For technical support and original validation data for this product please contact:

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

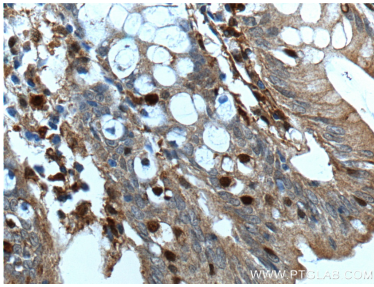
E: proteintech@ptglab.com
W: ptglab.com

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

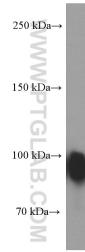
Selected Validation Data



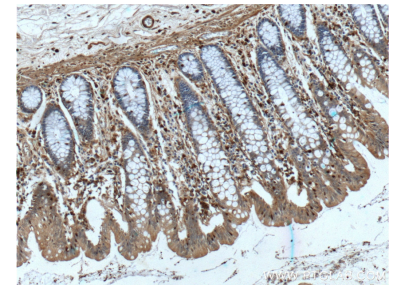
U2OS (WT and GSN KO) lysates prepared with RIPA buffer, 25 µg protein loaded. 66280-1-Ig incubated at 1:1000 at 4°C overnight in 5% BSA in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific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



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66280-1-Ig (Gelsolin Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 66280-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 66280-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66280-1-Ig (Gelsolin Antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 66280-1-PBS in a different storage buffer formulation.