

For Research Use Only

Gelsolin Monoclonal antibody

Catalog Number: 66280-1-Ig **Featured Product**



Basic Information

Catalog Number: 66280-1-Ig	GenBank Accession Number: BC026033	Purification Method: Thiophilic affinity chromatograph
Size: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2934	CloneNo.: 3C4A2
Source: Mouse	Full Name: gelsolin (amyloidosis, Finnish type)	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:1000
Isotype: IgA	Calculated MW: 782 aa, 86 kDa	
Immunogen Catalog Number: AG17916	Observed MW: 80-83 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: human	WB : human plasma tissue, U2OS cells, A549 cells, human plasma, HT-29 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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

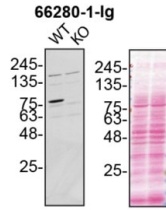
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

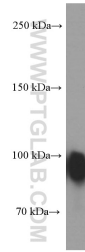
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

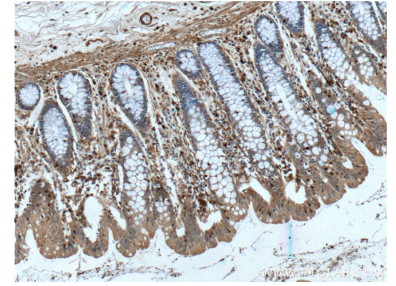
Selected Validation Data



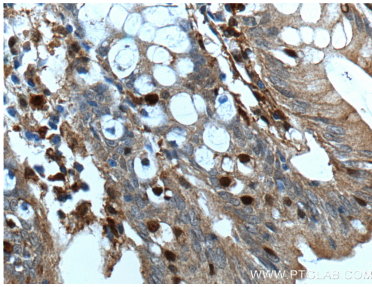
U2OS (WT and GSN KO) lysates prepared with RIPA buffer, 25 µg protein loaded. 66280-1-Ig incubated at 1:1000 at 4°C overnight in 5% BSA in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific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



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).