# antibodies - online.com







## anti-Gelsolin antibody (AA 580-782)





Publication



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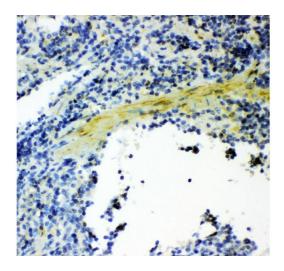
100 μg
Gelsolin (GSN)
AA 580-782
Human, Mouse, Rat
Rabbit
Polyclonal
This Gelsolin antibody is un-conjugated
Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Rabbit IgG polyclonal antibody for Gelsolin(GSN) detection. Tested with WB, IHC-P in Human, Mouse, Rat.
E.coli-derived human Gelsolin recombinant protein (Position: E580-A782). Human Gelsolin shares 94% and 95% amino acid (aa) sequences identity with mouse and rat Gelsolin, respectively.
lgG
No cross reactivity with other proteins.
Rabbit IgG polyclonal antibody for Gelsolin(GSN) detection. Tested with WB, IHC-P in Human, Mouse, Rat.  Gene Name: gelsolin

# **Product Details** Purification: Immunogen affinity purified. **Target Details** Target: Gelsolin (GSN) Alternative Name **GSN (GSN Products)** Gelsolin, also known as GNS or brevin, is an actin-binding protein that is a key regulator of actin Background: filament assembly and disassembly. Gelsolin is one of the most potent members of the actinsevering gelsolin/villin superfamily. The gene was assigned to human chromosome 9q33.2. It is the principal intracellular and extracellular actin-severing protein. Gelsolin and Gc protein together constitute the extracellular actin-scavenger system which prevents the toxic effects of actin release into the extracellular space under circumstances of cell necrosis. Gelsolin may have therapeutic potential as a mucolytic agent in CF patients. The antiapoptotic activity of gelsolin seems to prevent a step leading to cytochrome c release from the mitochondria into the cytosol. Synonyms: Actin depolymerizing factor antibody|Actin-depolymerizing factor antibody|ADF antibody|AGEL antibody|Brevin antibody|DKFZp313L0718 antibody|GELS\_HUMAN antibody|Gelsolin antibody|GSN antibody Gene ID: 2934 UniProt: P06396 Pathways: Caspase Cascade in Apoptosis, Regulation of Actin Filament Polymerization, Autophagy **Application Details Application Notes:** WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for Gelsolin is approximately 0.25 ng/lane under reducing conditions. IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users. Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

### **Application Details**

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
It can	At -20°C for one year. After reconstitution, at 4°C for one month.
	It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Publications	
Product cited in:	You, Zhang, Li, Li, Li, Li, Zhu, Peng, Sun: "Cloning and molecular characterization of phospholipase D (PLD) delta gene from longan (Dimocarpus longan Lour.)." in: <b>Molecular</b>

biology reports, Vol. 41, Issue 7, pp. 4351-60, (2014) (PubMed).



#### **Immunohistochemistry**

**Image 1.** Anti- Gelsolin antibody, IHC(P) IHC(P): Mouse Spleen Tissue

## 100KD-

70KD-

55KD-

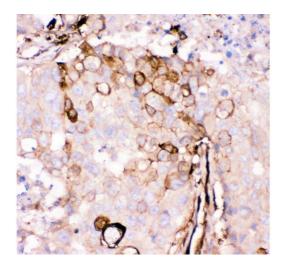
35KD-

25KD-

15KD-

#### **Western Blotting**

**Image 2.** Anti- Gelsolin antibody, Western blotting All lanes: Anti Gelsolin at 0.5ug/ml WB: Recombinant Human Gelsolin Protein 0.5ng Predicted bind size: 40KD Observed bind size: 40KD



#### **Immunohistochemistry**

**Image 3.** Anti- Gelsolin antibody, IHC(P) IHC(P): Human Mammary Cancer Tissue

Please check the product details page for more images. Overall 5 images are available for ABIN3042436.