

Product Name: KD-Validated Gelsolin Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00017**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 85.7kDa

Antigen Information

Gene Name	GSN GSN; Gelsolin; Actin-Depolymerizing Factor; DKFZp313L0718; Brevin; AGEL; ADF; Epididymis
Alternative Names	Secretory Sperm Binding Protein; Gelsolin (Amyloidosis, Finnish Type); Amyloidosis, Finnish Type
Gene ID	2934.0
SwissProt ID	P06396
Immunogen	A synthesized peptide derived from human Gelsolin

Background

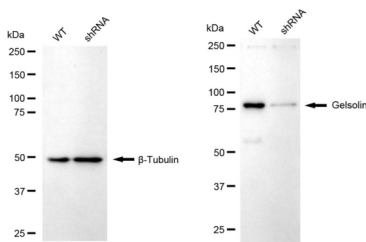
The protein encoded by this gene binds to the "plus" ends of actin monomers and filaments to prevent monomer exchange. The encoded calcium-regulated protein functions in both assembly and disassembly of actin filaments. Defects in this gene are

a cause of familial amyloidosis Finnish type (FAF). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

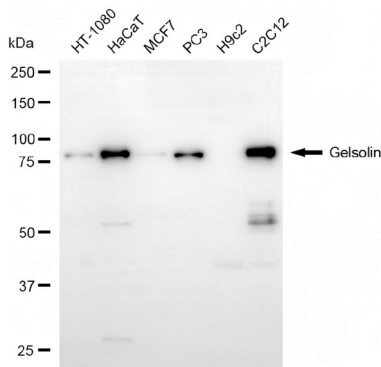
Research Area

Signal Transduction

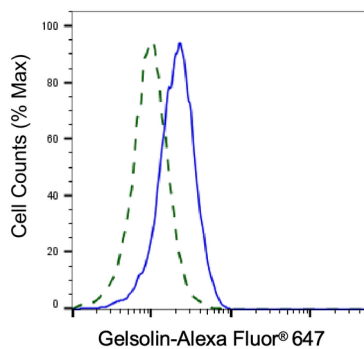
Image Data



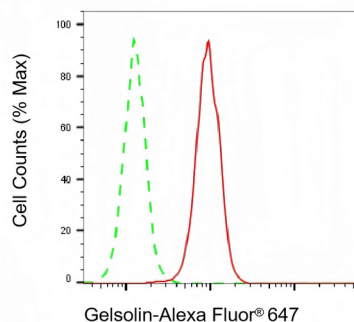
Western blotting analysis using gelsolin antibody (KVA00017). Gelsolin expression in wild-type (WT) and gelsolin (GSN) shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with gelsolin antibody (KVA00017, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using gelsolin antibody (KVA00017). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with gelsolin antibody (KVA00017, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Validation of Gelsolin knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HT-1080 cells were stained with Gelsolin antibody (KVA00017, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Gelsolin expression in C2C12 cells using Gelsolin antibody (KVA00017, 1:2,000). Green, isotype control; red, Gelsolin.

