

Datasheet for ABIN2785642

anti-Gelsolin antibody (C-Term)[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	100 µL
Target:	Gelsolin (GSN)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow, Rabbit, Dog, Horse, Sheep, Zebrafish (Danio rerio), Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Gelsolin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human GSN
Sequence:	KPMIIYKGGT SREGGQTAPA STRLFQVRAN SAGATRAVEV LPKAGALNSN
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 100%, Sheep: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against GSN. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Gelsolin (GSN)
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Target Details

Alternative Name:	GSN (GSN Products)
Background:	GSN binds to the 'plus' ends of actin monomers and filaments to prevent monomer exchange. It is a calcium-regulated protein, which functions in both assembly and disassembly of actin filaments. Defects in the gene encoding GSN are a cause of familial amyloidosis Finnish type (FAF). 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. Alias Symbols: DKFZp313L0718, ADF, AGEL Protein Interaction Partner: ITCH, CFLAR, TP53, UBC, CASP3, UBD, FN1, MPG, ESR1, ALB, SDHB, ACTA1, MDM2, UBE2Q2, FBXO25, ARRB2, ARRB1, AR, PSMD4, TNIK, CLIC5, TOM1L1, ACTN4, VDAC1, BCAR1, PXN, LIMK2, VASP, PIK3CG, PTK2B, FHIT, VCL, CSK, APP, ACTB, ACTG1, PLCG1, SRC, PTPN12, PTK2, PIK Protein Size: 782
Molecular Weight:	83 kDa
Gene ID:	2934
NCBI Accession:	NM_000177 , NP_000168
UniProt:	P06396
Pathways:	Caspase Cascade in Apoptosis , Regulation of Actin Filament Polymerization , Autophagy

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 782 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

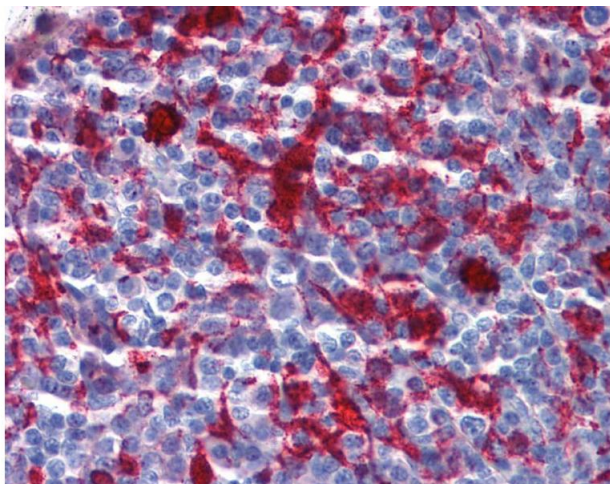
Handling

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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Shokouhi, Khosroshahi: "Ardalan-Shoja-Kiuru syndrome--hereditary gelsolin amyloidosis plus retinitis pigmentosa." in: Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association , Vol. 23, Issue 3, pp. 1071; author reply 1071-2, (2008) (PubMed).
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Images



Immunohistochemistry

Image 1. IHC Information: Paraffin embedded tonsil tissue, tested with an antibody dilution of 5 ug/ml.