

Anti-Gelsolin antibody ab74420

敲除 验证

★★★★☆ [3 Abreviews](#) [12 References](#) [2 图像](#)

概述

产品名称	Anti-Gelsolin抗体
描述	兔多克隆抗体to Gelsolin
宿主	Rabbit
经测试应用	适用于: WB 不适用于: ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide within Human Gelsolin aa 750 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. (Peptide available as ab74419)
阳性对照	Recombinant Human Gelsolin plasma protein (ab114279) can be used as a positive control in WB. This antibody gave a positive signal in the following tissue lysates: Rat Kidney, Mouse Spleen, Rat Thymus. HeLa cell lysate.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising

agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

纯度 Immunogen affinity purified
克隆 多克隆
同种型 IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab74420于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (2)	Use a concentration of 1 µg/ml. Detects a band of approximately 86 kDa (predicted molecular weight: 86 kDa).

应用说明 Is unsuitable for ICC/IF.

靶标

功能 Calcium-regulated, actin-modulating protein that binds to the plus (or barbed) ends of actin monomers or filaments, preventing monomer exchange (end-blocking or capping). It can promote the assembly of monomers into filaments (nucleation) as well as sever filaments already formed. Plays a role in ciliogenesis.

组织特异性 Phagocytic cells, platelets, fibroblasts, nonmuscle cells, smooth and skeletal muscle cells.

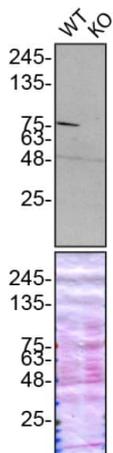
疾病相关 Defects in GSN are the cause of amyloidosis type 5 (AMYL5) [MIM:105120]; also known as familial amyloidosis Finnish type. AMYL5 is a hereditary generalized amyloidosis due to gelsolin amyloid deposition. It is typically characterized by cranial neuropathy and lattice corneal dystrophy. Most patients have modest involvement of internal organs, but severe systemic disease can develop in some individuals causing peripheral polyneuropathy, amyloid cardiomyopathy, and nephrotic syndrome leading to renal failure.

序列相似性 Belongs to the villin/gelsolin family.
Contains 6 gelsolin-like repeats.

翻译后修饰 Phosphorylation on Tyr-86, Tyr-409, Tyr-465, Tyr-603 and Tyr-651 in vitro is induced in presence of phospholipids.

细胞定位 Cytoplasm > cytoskeleton and Secreted.

图片



Western blot - Anti-Gelsolin antibody (ab74420)

All lanes : Anti-Gelsolin antibody (ab74420) at 1/20000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : GSN knockout HeLa cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 86 kDa

ab74420 was shown to react with GSN in wild-type HeLa cells in Western blot with loss of signal observed in GSN knockout cell line **ab265201** (GSN knockout cell lysate **ab257204**). Wild-type HeLa and GSN knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in 5% milk in TBST for 1 hr before incubation with ab74420 overnight at 4 °C at a 1/20000 dilution. Blots were incubated with goat anti-rabbit HRP secondary antibodies at 1/5000 before imaging. This data was kindly provided by the YCharOS Inc., an open science company with the mission of characterizing every commercially available antibody reagent. Abcam are working with YCharOS to support their mission of antibody characterisation using knockout cell lines.



Western blot - Anti-Gelsolin antibody (ab74420)

All lanes : Anti-Gelsolin antibody (ab74420) at 1 µg/ml

Lane 1 : Kidney (Rat) Tissue Lysate

Lane 2 : Spleen (Mouse) Tissue Lysate

Lane 3 : Thymus (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Performed under reducing conditions.

Predicted band size: 86 kDa

Observed band size: 86 kDa

Additional bands at: 120 kDa, 140 kDa, 52 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 3 minutes

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