

Product datasheet

Anti-Gelsolin antibody ab55070

5 References [画像数 3](#)

製品の概要

| | |
|----------|--|
| 製品名 | Anti-Gelsolin antibody |
| 製品の詳細 | Mouse monoclonal to Gelsolin |
| アプリケーション | 適用あり: WB, IHC-P, ICC/IF |
| 種交差性 | 交差種: Human |
| 免疫原 | Recombinant fragment, corresponding to amino acids 673-783 of Human Gelsolin |

製品の特性

| | |
|--------|---|
| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| バッファー | Preservative: None PBS, pH 7.2 |
| 精製度 | Protein G purified |
| ポリ/モノ | モノクローナル |
| アイソタイプ | IgG1 |
| 軽鎖の種類 | kappa |

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab55070** in the following tested applications.

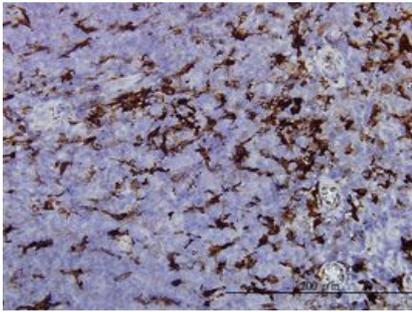
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|---|
| WB | | Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 86 kDa. |
| IHC-P | | Use a concentration of 1 µg/ml. |
| ICC/IF | | Use a concentration of 1 µg/ml. |

ターゲット情報

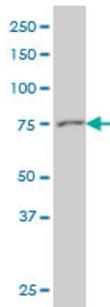
| | |
|-------|--|
| 機能 | Calcium-regulated, actin-modulating protein that binds to the plus (or barbed) ends of actin monomers or filaments, preventing monomer exchange (end-blocking or capping). It can promote the assembly of monomers into filaments (nucleation) as well as sever filaments already formed. Plays a role in ciliogenesis. |
| 組織特異性 | Phagocytic cells, platelets, fibroblasts, nonmuscle cells, smooth and skeletal muscle cells. |
| 関連疾患 | 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. |
| 配列類似性 | Belongs to the villin/gelsolin family. Contains 6 gelsolin-like repeats. |
| 翻訳後修飾 | Phosphorylation on Tyr-86, Tyr-409, Tyr-465, Tyr-603 and Tyr-651 in vitro is induced in presence of phospholipids. |
| 細胞内局在 | Cytoplasm > cytoskeleton and Secreted. |

画像



Gelsolin antibody (ab55070) used in immunohistochemistry at 1ug/ml on formalin fixed and paraffin embedded human adrenal gland.

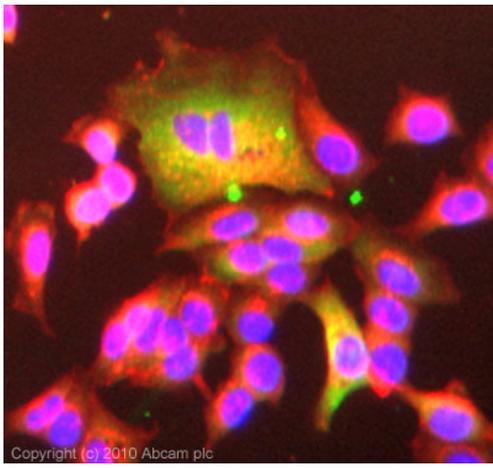
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Gelsolin antibody (ab55070)



Predicted band size : 86 kDa

Gelsolin antibody (ab55070) at 1ug/lane + HeLa cell lysate at 25ug/lane.

Western blot - Anti-Gelsolin antibody (ab55070)



Immunocytochemistry/ Immunofluorescence - Anti-Gelsolin antibody (ab55070)

ICC/IF image of ab55070 stained MCF7 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab55070, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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