Datasheet for ABIN2856709

anti-FGD4 antibody

4 Images

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Overview

Quantity:	100 µL
Target:	FGD4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGD4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human FGD4. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit polyclonal antibody to FGD4 (FYVE, RhoGEF and PH domain containing 4) FGD4 antibody [N1N3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	FGD4
Alternative Name:	FYVE, RhoGEF and PH domain containing 4 (FGD4 Products)

Target Details

Background:	This gene encodes a protein that is involved in the regulation of the actin cytoskeleton and cell shape. This protein contains an actin filament-binding domain, which together with its Dbl homology domain and one of its pleckstrin homology domains, can form microspikes. This protein can activate MAPK8 independently of the actin filament-binding domain, and it is also involved in the activation of CDC42 via the exchange of bound GDP for free GTP. The activation of CDC42 also enables this protein to play a role in mediating the cellular invasion of Cryptosporidium parvum, an intracellular parasite that infects the gastrointestinal tract. Mutations in this gene can cause Charcot-Marie-Tooth disease type 4H (CMT4H), a disorder of the peripheral nervous system. Cellular Localization: Cytoplasm , cytoskeleton (By similarity) , Cell projection , filopodium (By similarity)
Molecular Weight:	87 kDa
Gene ID:	121512
UniProt:	Q96M96
Pathways:	Neurotrophin Signaling Pathway

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Molt-4
Restrictions:	For Research Use only

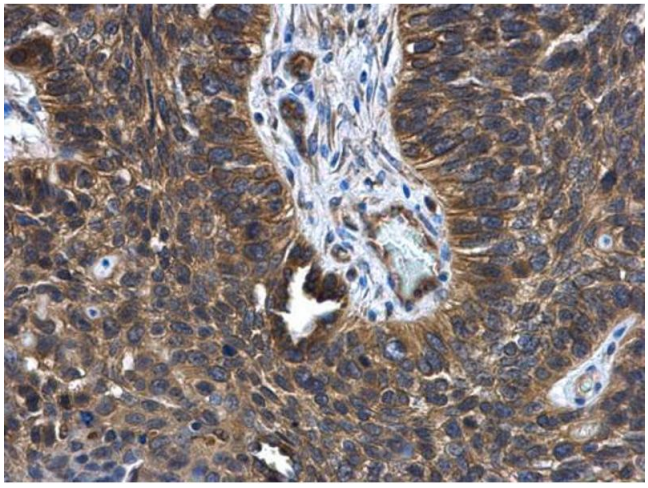
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

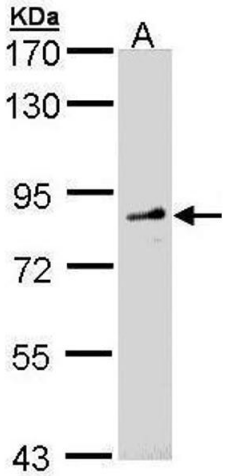
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



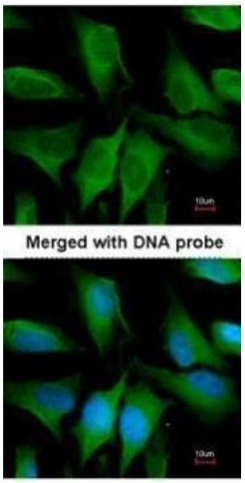
Immunohistochemistry

Image 1. IHC-P Image FGD4 antibody [N1N3] detects FGD4 protein at cytoplasm in human lung cancer by immunohistochemical analysis. Sample: Paraffin-embedded human lung cancer. FGD4 antibody [N1N3] , diluted at 1:500.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: Molt-4 , 7.5% SDS PAGE antibody diluted at 1:1000



Immunofluorescence

Image 3. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using FGD4, antibody at 1:200 dilution.

Please check the product details page for more images. Overall 4 images are available for ABIN2856709.