antibodies - online.com







anti-FGD4 antibody



Image



Overview

Quantity:	200 μL
Target:	FGD4
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Recombinant protein of human FGD4
Isotype:	IgG
Purification:	Affinity purification
Target Details	
Target:	FGD4
Alternative Name:	FGD4 (FGD4 Products)
Background:	Synonyms: 9030023J02Rik,9330209B17Rik,Actin filament binding protein frabin,Actin filament-
	binding protein frabin,CMT4H,DKFZp313E1818,DKFZp434K1572,FGD1 related F actin binding
	protein,FGD1-related F-actin-binding

containing protein 6, Zinc finger FYVE domain-containing protein 6

protein,Fgd4,FGD4,FLJ34370,FLJ42663,FRABP,FYVE,RhoGEF and PH domain containing

4,MGC57222,RhoGEF and PH domain-containing protein 4,ZFYVE6,Zinc finger FYVE domain

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. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Molecular Weight:

Observed_MW: 100kDa

Calculated MW: 20kDa/32kDa/86kDa

Gene ID:

121512

UniProt:

Q96M96

Pathways:

Neurotrophin Signaling Pathway

Application Details

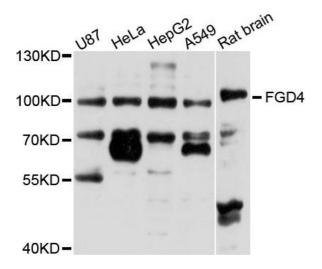
Application Notes: WB 1:500 - 1:2000

Restrictions:

For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using FGD4 antibody.