

Datasheet for ABIN6140588
anti-FGD4 antibody (AA 99-198)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	FGD4
Binding Specificity:	AA 99-198
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGD4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 99-198 of human FGD4 (NP_640334.2).
Sequence:	QMECEEEKAA TLSSDTSIQA SEPLLDTHIV NGERDETATA PASPTTDSCD GNASDSSYRT PGIGPVLPLE ERGAETETKV QERENGESPL ELEQLDQHHE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

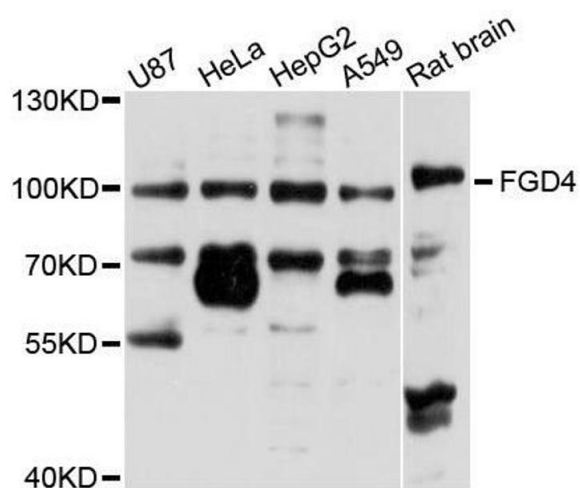
Target:	FGD4
Alternative Name:	FGD4 (FGD4 Products)
Background:	<p>This gene encodes a protein that is involved in the regulation of the actin cytoskeleton and cell shape. This protein contains an actin filament-binding domain, which together with its Dbl homology domain and one of its pleckstrin homology 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 <i>Cryptosporidium parvum</i>, 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.,FGD4,CMT4H,FRABP,ZFYVE6,FYVE,FGD4</p>
Molecular Weight:	20 kDa/32 kDa/86 kDa
Gene ID:	121512
UniProt:	Q96M96
Pathways:	Neurotrophin Signaling Pathway

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
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.