

Datasheet for ABIN952304
anti-FGD4 antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	0.4 mL
Target:	FGD4
Binding Specificity:	AA 156-186, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGD4 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 156-186 amino acids from the N-terminal region of human FGD4
Isotype:	Ig Fraction
Specificity:	This antibody reacts to FGD4.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	FGD4
Alternative Name:	FGD4 (FGD4 Products)

Target Details

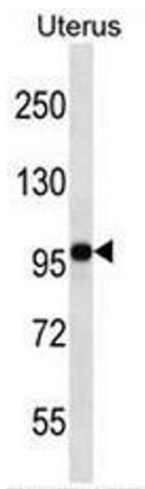
Background:	<p>This gene encodes a protein that is involved in the regulation of the actin cytoskeleton and cell shape. This protein contains an actin filament-binding domain, which together with its Dbl homology domain and one of its pleckstrin homology domains, can form microspikes. This protein can 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. [provided by RefSeq].Synonyms: Actin filament-binding protein frabin, FGD1-related F-actin-binding protein, FRABP, FYVE, Frabin, RhoGEF and PH domain-containing protein 4, ZFYVE6, Zinc finger FYVE domain-containing protein 6</p>
Molecular Weight:	86626 Da
Gene ID:	121512
NCBI Accession:	NP_640334
Pathways:	Neurotrophin Signaling Pathway

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. FGD4 Antibody (N-term) western blot analysis in human normal Uterus cell line lysates (35µg/lane). This demonstrates the FGD4 antibody detected the FGD4 protein (arrow).