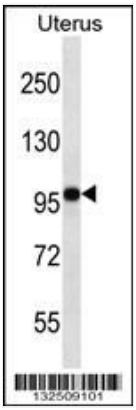
FGD4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FGD4, Polyclonal Antibody
Full Product Name	FGD4, NT (FGD4, FRABP, ZFYVE6, FYVE, RhoGEF and PH domain-containing protein 4, Actin filament-binding protein frabin, FGD1-related F-actin-binding protein, Zinc finger FYVE domain-containing protein 6) (FITC)
Product Gene Name	anti-FGD4 antibody
Product Synonym Names	FGD4; FRABP; ZFYVE6; FYVE; RhoGEF and PH domain-containing protein 4; Actin filament-binding protein frabin; FGD1-related F-actin-binding protein; Zinc finger FYVE domain-containing protein 6
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	86,626 Da
OMIM	609311
3D Structure	ModBase 3D Structure for Q96M96
Immunogen	FGD4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-186 amino acids from the N-terminal region of human FGD4.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-FGD4 antibody	Antibodies; Transcription Factors; Zinc (Ring) Finger
Applications Tested/Suitable for anti-FGD4 antibody	Western Blot (WB), FLISA
Application Notes for anti-FGD4 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-FGD4 antibody	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. [provided by RefSeq].

Product References and Citations for anti-FGD4 antibody	Rose, J. Phd, et al. Mol. Med. (2010). In press: Fabrizi, G.M., et al. Neurology 72(13):1160-1164(2009). Houlden, H., et al. Neurology 72(7):617-620(2009). Horlock, C., et al. Int. Arch. Allergy Immunol. 150(3):237-251(2009). Stendel, C., et al. Am. J. Hum. Genet. 81(1):158-164(2007).
Other Notes	Small volumes of anti-FGD4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FGD4 purchase	MBS6298937 is an antibody targeting FGD4. Also known as FGD4, NT (FGD4, FRABP, ZFYVE6, FYVE, RhoGEF and PH domain-containing protein 4, Actin filament-binding protein frabin, FGD1-related F-actin-binding protein, Zinc finger FYVE domain-containing protein 6) (FITC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-FGD4 antibody
FGD4 Antibody (N-term) western blot analysis in human normal Uterus tissue lysates (35ug/lane).This demonstrates the FGD4 antibody detected the FGD4 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FGD4. It may not necessarily be applicable to this product.

NCBI GI #	198041928
NCBI GeneID	121512
NCBI Accession #	NP_640334.2
UniProt Primary Accession #	Q96M96
UniProt Secondary Accession #	Q6ULS2; Q8TCP6
UniProt Related Accession #	Q96M96
GenBank Nucleotide #	NM_139241.2
NCBI Official Full Name	FYVE, RhoGEF and PH domain-containing protein 4
NCBI Official Synonym Full Names	FYVE, RhoGEF and PH domain containing 4
NCBI Official Symbol	FGD4
NCBI Official Synonym Symbols	CMT4H; FRABP; ZFYVE6
UniProt Protein Name	FYVE, RhoGEF and PH domain-containing protein 4
UniProt Synonym Protein Names	Actin filament-binding protein frabin; FGD1-related F-actin-binding protein; Zinc finger FYVE domain-containing protein 6
Protein Family	FYVE, RhoGEF and PH domain-containing protein
UniProt Gene Name	FGD4
UniProt Synonym Gene Names	FRABP; ZFYVE6
UniProt Entry Name	FGD4_HUMAN

NCBI Protein Information	FYVE, RhoGEF and PH domain-containing protein 4; FGD1 family, member 4; FGD1-related F-actin-binding protein; actin-filament binding protein frabin; zinc finger FYVE domain-containing protein 6
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