Datasheet for ABIN7267286

anti-FGD5 antibody (AA 1000-1200)

1 Image

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Overview

Quantity:	100 µL
Target:	FGD5
Binding Specificity:	AA 1000-1200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGD5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	FGD5 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1000-1200 of human FGD5 (NP_689749.3).
Sequence:	YLGLLSENCL HSPRLAAAVR EFEQSVQGGS QTAKHRLLRV VQRLFQYQVL LTDYLNNLCP DSAEYDNTQG ALSLISKVTD RANDSMEQGE NLQKLVHIEH SVRGQGDLLQ PGREFLKEGT LMKVTGKNRR PRHLFLMNDV LLYTYPQKDG KYRLKNTLAV ANMKVSRPVM EKVPYALKIE TSESCLMLSA SSCAERDEWY G
Isotype:	IgG
Cross-Reactivity:	Mouse
Characteristics:	Polyclonal Antibodies

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Product Details

Purification:	Affinity purification

Target Details

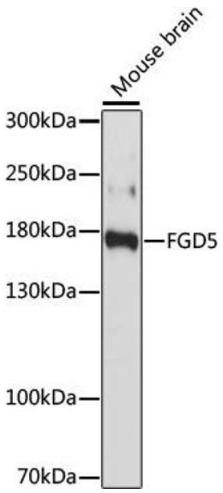
Target:	FGD5
Alternative Name:	FGD5 (FGD5 Products)
Background:	FGD5 (or ZFYVE23) is an endothelial specific gene, plays a crucial role in vascular pruning. Deficient expression of FGD5 markedly inhibits neovascularization, indicated by in vitro tube-formation, aortic-ring, and coated-bead assays and by in vivo coated-bead plug assays and studies in the murine retina model. FGD5-deficient endothelial cells fail to migrate. Moreover, the cells are susceptible to proapoptotic stimuli associated with VEGF-stimulated activation of Akt. FGD5 promotes apoptosis-induced vaso-obliteration via induction of the hey1-p53 pathway by direct binding and activation of CDC42.,FGD5,ZFYVE23,FYVE,Signal Transduction,G protein signaling,Signal Transduction,FGD5
Molecular Weight:	61kDa/159kDa
Gene ID:	152273
UniProt:	Q6ZNL6

Application Details

Application Notes:	WB,1:500 - 1:2000
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 Mouse brain, using FGD5 antibody (ABIN7267286) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 60s.

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