



## FGD4 rabbit pAb

Catalog_no :	<u>AN3357</u>
Applications :	<u>WB</u>
Reactivity :	<u>Human, Mouse,Rat</u>
Category :	<u>抗原抗体</u>
Size :	<u>100µg/50µg/20µg</u>
Gene_name :	<u>FGD4 FRABP ZFYVE6</u>
Protein_name :	<u>FGD4</u>
Humangene_id :	<u><a href="#">121512</a></u>
Humanswissprot_no :	<u><a href="#">Q96M96</a></u>
Mousegene_id :	<u><a href="#">224014</a></u>
Mouseswissprot_no :	<u><a href="#">Q91ZT5</a></u>
Ratgene_id :	<u><a href="#">246174</a></u>
Ratswissprot_no :	<u><a href="#">O88387</a></u>
Immunogen :	<u>Synthesized peptide derived from human FGD4</u>
Specificity :	<u>This antibody detects endogenous levels of FGD4 at Human/Mouse/Rat</u>
Formulation :	<u>Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.315% sodium azide.</u>
Source :	<u>Rabbit</u>
Dilution :	<u>WB 1:500-2000</u>
Purification :	<u>The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.</u>
Concentration :	<u>1 mg/ml</u>
Storage_stability :	<u>-20°C/1 year</u>
Other_name :	<u>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)</u>

Molecular Weight : 85KD

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**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. [provided by RefSeq, Jan 2015].

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