

## FGD4 Rabbit Polyclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-AP10033
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from human FGD4
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB
Concentration	1 mg/ml
Full name	FGD4
Synonyms	FGD4; 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)

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

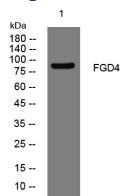
This gene encodes a protein that is involved in the regulation of the actin cytoskeleton and cell shape. This protein contains an actin filament-binding domain| which together with its Dbl homology domain and one of its pleckstrin homology domains| can form microspikes. This protein can activate MAPK8 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.

### Recommended Dilution

WB: 1: 500 - 1: 2000

Not yet tested in other applications.

### Images



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4°C overnight

### Storage

-20°C for 1 year