

FGD4 antibody

Catalog No: #23166



Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

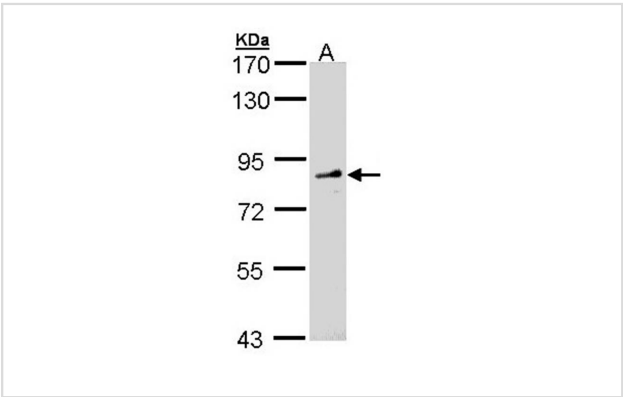
Description

Product Name	FGD4 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Purified by antigen-affinity chromatography.
Applications	WB IHC IF
Species Reactivity	Hu
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 49 and 297 of FGD4
Target Name	FGD4
Accession No.	Swiss-Prot:Q96M96Gene ID:121512
Uniprot	Q96M96
GeneID	121512;
Concentration	1mg/ml
Formulation	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

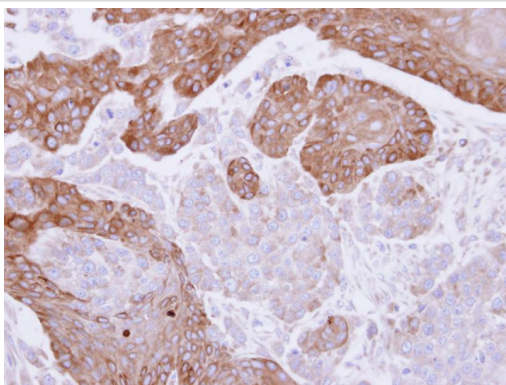
Application Details

Predicted MW: 87kd
Western blotting: 1:500-1:3000
Immunohistochemistry: 1:100-1:500
Immunofluorescence: 1:100-1:200

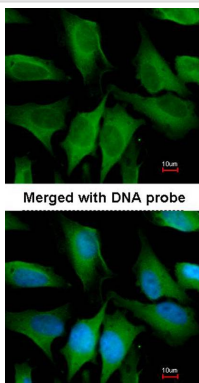
Images



Sample (30 ug of whole cell lysate)
A: Molt-4
7.5% SDS PAGE
Primary antibody diluted at 1: 1000



Immunohistochemical analysis of paraffin-embedded SG xenograft, using FGD4 antibody at 1: 100 dilution.



Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using FGD4 antibody at 1: 200 dilution.

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. [provided by RefSeq]

Note: This product is for in vitro research use only