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FGD1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12071

Specification

FGD1 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	P98174
Other Accession	NM_004463, NP_004454
Reactivity	**Human, Rat, Pig, Bovine**
Predicted	**Human, Rabbit, Pig, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**106kDa KDa**

FGD1 antibody - N-terminal region - Additional Information

Gene ID 2245

Alias Symbol	**AAS, FGDY, ZFYVE3, MRXS16**

Other Names
FYVE, RhoGEF and PH domain-containing protein 1, Faciogenital dysplasia 1 protein, Rho/Rac guanine nucleotide exchange factor FGD1, Rho/Rac GEF, Zinc finger FYVE domain-containing protein 3, FGD1, FGDY, ZFYVE3

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-FGD1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
FGD1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

FGD1 antibody - N-terminal region - Protein Information

Name FGD1

Synonyms FGDY, ZFYVE3

Function
Activates CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. Plays a role in regulating the actin cytoskeleton and cell shape.

Cellular Location
Cytoplasm. Cell projection, lamellipodium. Cell projection, ruffle Cytoplasm, cytoskeleton.

Note=Associated with membrane ruffles and lamellipodia.

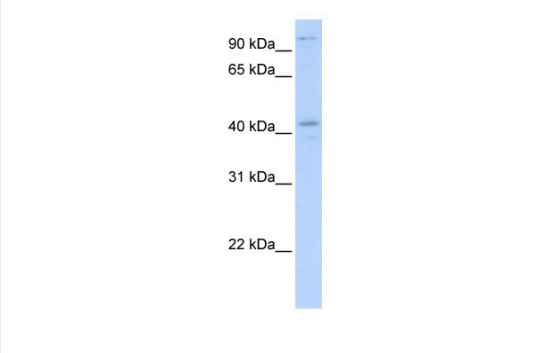
Tissue Location
Expressed in fetal heart, brain, lung, kidney and placenta. Less expressed in liver; adult heart, brain, lung, pancreas and skeletal muscle

FGD1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FGD1 antibody - N-terminal region - Images



WB Suggested Anti-FGD1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Transfected 293T

FGD1 antibody - N-terminal region - References

Bottani,A.,(2007)Am.J.Med.Genet.A143A(19),2334-2338ReconstitutionandStorage:Forshorttermuse, storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.Publications:Zou,W.etal.MLK3regulatesbonedevelopmentdownstreamofthefaciogenitaldysplasiaproteinFGD1inmice.J.Clin.Invest.121,4383-92(2011).WB,Human,Bovine,Pig,Rat21965325