

FGD1 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12071

Product Information

Application	WB
Primary Accession	P98174
Other Accession	NM_004463 , NP_004454
Reactivity	Human, Rat, Pig, Bovine
Predicted	Human, Rabbit, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	106561

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.

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.

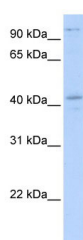
Tissue Location

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

References

Bottani,A.,(2007)Am.J.Med.Genet.A143A(19),2334-2338ReconstitutionandStorage:Forshorttermuse,storeat2-8 Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.Publications:Zou,W. etal.MLK3regulatesboneddevelopmentdownstreamofthefaciogenitaldysplasiaproteinFGD1inmice.J.Clin.Invest. 121,4383-92(2011).WB,Human,Bovine,Pig,Rat21965325

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.