

Datasheet for ABIN2780596
anti-FGD1 antibody (N-Term)[Go to Product page](#)[1 Image](#)[1 Publication](#)

Overview

Quantity:	100 µL
Target:	FGD1
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGD1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human FGD1
Sequence:	HGHRAPGGAG PSEPEHPATN PPGAAPPACA DSDPGASEPG LLARRGSGSA
Predicted Reactivity:	Cow: 86%, Human: 100%, Pig: 86%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against FGD1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	FGD1
Alternative Name:	FGD1 (FGD1 Products)

Target Details

Background:	<p>FGD1 contains Dbl (DH) and pleckstrin (PH) homology domains. It can bind specifically to the Rho family GTPase Cdc42Hs and stimulate the GDP-GTP exchange of the isoprenylated form of Cdc42Hs. It also stimulates the mitogen activated protein kinase cascade leading to c-Jun kinase SAPK/JNK1 activation. FGD1 has an essential role in embryonic development, and FGD1 gene mutations result in the human developmental disorder, Aarskog-Scott syndrome.FGD1 contains Dbl (DH) and pleckstrin (PH) homology domains. It can bind specifically to the Rho family GTPase Cdc42Hs and stimulate the GDP-GTP exchange of the isoprenylated form of Cdc42Hs. It also stimulates the mitogen activated protein kinase cascade leading to c-Jun kinase SAPK/JNK1 activation. FGD1 has an essential role in embryonic development, and FGD1 gene mutations result in the human developmental disorder, Aarskog-Scott syndrome.</p> <p>Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: AAS, FGDY, ZFYVE3, MRXS16</p> <p>Protein Interaction Partner: BTRC, UBC, ELAVL1, ELMO1, CTTN, CDC42, AOC1,</p> <p>Protein Size: 961</p>
Molecular Weight:	106 kDa
Gene ID:	2245
NCBI Accession:	NM_004463 , NP_004454
UniProt:	P98174
Pathways:	Neurotrophin Signaling Pathway

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 961 AA
Restrictions:	For Research Use only

Handling

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

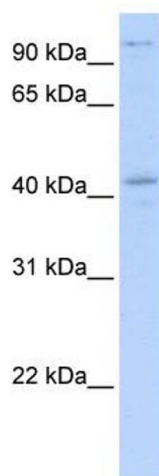
Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Hayashi, Gekka, Goto-Omoto, Takeuchi, Kubo, Kitahara: "Novel NR2E3 mutations (R104Q, R334G) associated with a mild form of enhanced S-cone syndrome demonstrate compound heterozygosity." in: Ophthalmology , Vol. 112, Issue 12, pp. 2115, (2005) (PubMed).
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Images



Western Blotting

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