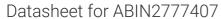
# antibodies -online.com





# anti-FGD1 antibody (C-Term)



**Images** 



Go to Product page

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

# **Product Details**

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human FGD1
Sequence:	WMAVLGRAGR GDTFCPGPTL SEDREMEEAP VAALGATAEP PESPQTRDKT
Predicted Reactivity:	Cow: 86%, Dog: 86%, Horse: 79%, Human: 100%, Mouse: 86%, Pig: 86%, Rabbit: 79%, Rat: 86%
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**

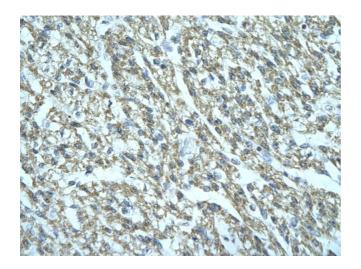
Target:	FGD1
Alternative Name:	FGD1 (FGD1 Products)

# Target Details

Background:	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. Alias Symbols: AAS, FGDY, MRXS16, ZFYVE3  Protein Interaction Partner: BTRC, UBC, ELAVL1, ELMO1, CTTN, CDC42, AOC1, Protein Size: 961	
Molecular Weight:	107 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.	
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	

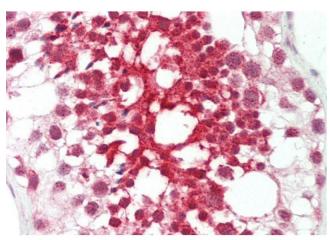
aliquots to prevent freeze-thaw cycles.

# **Images**



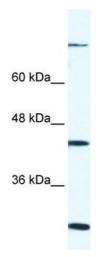
### **Immunohistochemistry**

**Image 1.** Rabbit Anti-FGD1 Antibody Catalog Number: ARP31673 Paraffin Embedded Tissue: Human cardiac cell Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



## **Immunohistochemistry**

Image 2. Rabbit Anti-FGD1 antibody Catalog Number:
ARP31673 Formalin Fixed Paraffin Embedded Tissue:
Human Testis Primary antibody Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary
Antibody Concentration: 1:200 Magnification: 20x Exposure
Time: 0.5-2.0sec



### **Western Blotting**

**Image 3.** WB Suggested Anti-FGD1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Raji cell lysate FGD1 is supported by BioGPS gene expression data to be expressed in Raji