

Rabbit FGD1 Polyclonal Antibody | anti-FGD1 antibody

FGD1 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197209	Rabbit	Tested: Human Predicted: Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat	Western Blot, Immunohistochemistry

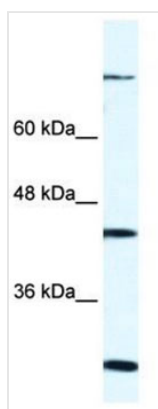
PRODUCT SYNONYMS

FGD1; Polyclonal Antibody; FGD1 antibody - C-terminal region; anti-FGD1 antibody

PRODUCT SPECIFICATIONS

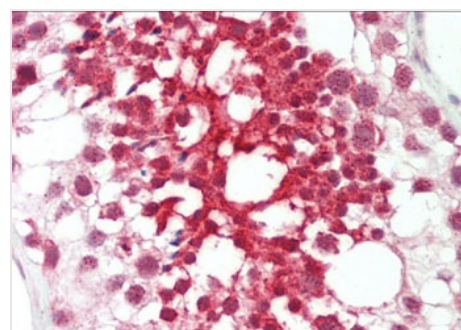
Host	Rabbit
Reactivity	Tested: Human Predicted: Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: WM AVLGRAGRGD TFCPGPTLSE DREMEEPVA ALGATAEPPE SPQTRDKT
Sequence Length	961
Applicable Applications for anti-FGD1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 86%; Dog: 86%; Horse: 79%; Human: 100%; Mouse: 86%; Pig: 86%; Rabbit: 79%; Rat: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human FGD1
Preparation and Storage	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



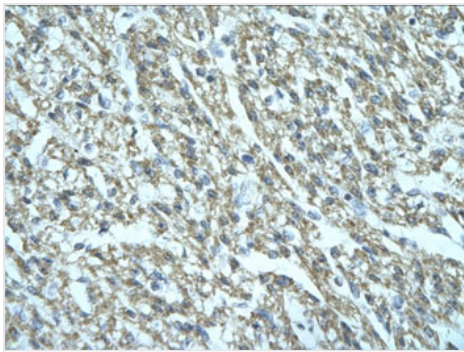
WB (Western Blot)

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



IHC (Immunohistochemistry)

Rabbit Anti-FGD1 antibody
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



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-FGD1 antibody	This is a rabbit polyclonal antibody against FGD1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Product Categories/Family for anti-FGD1 antibody	Polyclonal; Developmental Biology; Signal Transduction; Various; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	24797153
NCBI GeneID	2245
NCBI Accession #	NP_004454
NCBI GenBank Nucleotide #	NM_004463
UniProt Accession #	P98174
Molecular Weight	107kDa
NCBI Official Full Name	FYVE, RhoGEF and PH domain-containing protein 1
NCBI Official Synonym Full Names	FYVE, RhoGEF and PH domain containing 1
NCBI Official Symbol	FGD1
NCBI Official Synonym Symbols	AAS; FGDY; MRXS16; ZFYVE3
NCBI Protein Information	FYVE, RhoGEF and PH domain-containing protein 1
UniProt Protein Name	FYVE, RhoGEF and PH domain-containing protein 1
UniProt Gene Name	FGD1
UniProt Synonym Gene Names	FGDY; ZFYVE3; Rho/Rac GEF
UniProt Entry Name	FGD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

