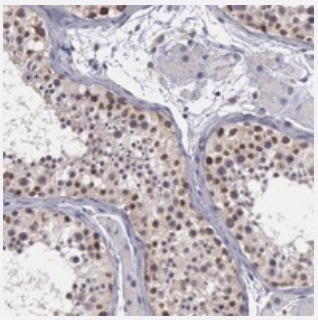
FGD1 polyclonal antibody

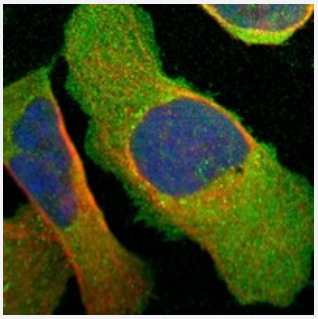
Catalog # PAB20017 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human testis with FGD1 polyclonal antibody (Cat # PAB20017) shows moderate nuclear positivity in seminiferus duct.



Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with FGD1 polyclonal antibody (Cat # PAB20017) at 1-4 ug/mL dilution shows positivity in plasma membrane, cytoplasm.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant FGD1.
Immunogen	Recombinant protein corresponding to amino acids of human FGD1.
Sequence	DSDPGASEPGLLARRGSGSALGGPLDPQFVGPSDTSLGAAPGHRVLPCGPSPQHHRALRFSYH LEGSQPRPGLHQGNRILVKSLSLDPGQSLEPHPEGPQRLRSDP
Host	Rabbit
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:200-1:500) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

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Gene Info — FGD1

Entrez GeneID	2245
Protein Accession#	P98174
Gene Name	FGD1
Gene Alias	AAS, FGDY, ZFYVE3
Gene Description	FYVE, RhoGEF and PH domain containing 1
Omim ID	300546 305400
Gene Ontology	Hyperlink

Gene Summary	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. [provided by RefSeq
Other Designations	OTTHUMP00000023372|faciogenital dysplasia protein

Pathway

- Regulation of actin cytoskeleton