SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-FGD1 antibody

Catalog Number: SL16077R

FOR RESEARCH USE ONLY

[DATASHEET]

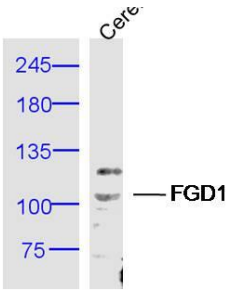
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FGD1
Immunogen:	KLH conjugated synthetic peptide derived from human FGD1: 601-700/961
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Predicted MW.:	107kDa
Subcellular Location:	cytoplasmic
Background:	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. **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. **Subcellular Location:** Cytoplasm. Cell projection > lamellipodium. Cell projection > ruffle. Cytoplasm > cytoskeleton. Associated with membrane ruffles and lamellipodia. **Tissue Specificity:** Expressed in fetal heart, brain, lung, kidney and placenta. Less expressed in liver; adult heart, brain, lung, pancreas and skeletal muscle. DISEASE: Defects in FGD1 are the cause of Aarskog-Scott syndrome (AAS)

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

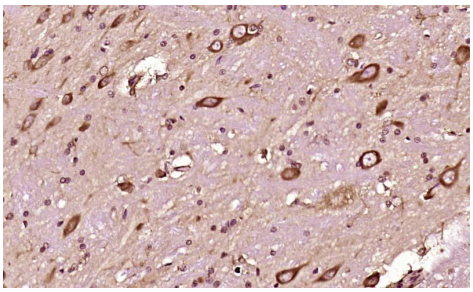
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	[MIM:305400]. This faciogenital dysplasia is a rare multisystemic disorder characterized by disproportionately short stature, and by facial, skeletal, and urogenital anomalies. Note=Defects in FGD1 are found in a pateint with non-syndromal X-linked mental retardation. **Similarity:** Contains 1 DH (DBL-homology) domain. Contains 1 FYVE-type zinc finger. Contains 2 PH domains. **Database links:** **Entrez Gene:** 2245 Human Omim: 305400 Human **SwissProt:** P98174 Human **Unigene:** 631767 Human **Unigene:** 709201 Human

[VALIDATION IMAGES]



Sample: Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti-FGD1 (SL16077R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 107 kD
Observed band size: 107 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FGD1) Polyclonal Antibody, Unconjugated (SL16077R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

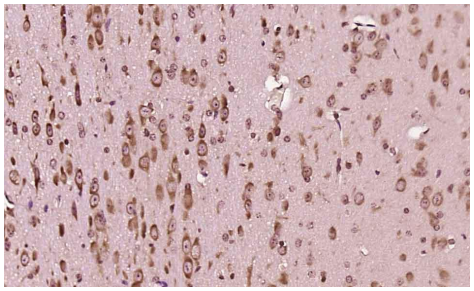
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Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FGD1) Polyclonal Antibody, Unconjugated (SL16077R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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