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Rabbit Anti-IGSF9 antibody

SL9199R

Product Name:	IGSF9
Chinese Name:	免疫球蛋白超家族成员9抗体
Alias:	IGSF9A; Dasm1; Dendrite arborization and synapse maturation protein 1; IGSF9 immunoglobulin superfamily, member 9; Immunoglobulin superfamily member 9A; immunoglobulin superfamily, member 9; Ncaml; Nrt1; Protein turtle homolog A; TUTLA_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1μg /TestIF=1:50-200（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	124kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human IGSF9:551-680/1179<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Ig (immunoglobulin) superfamily members exhibit functional characteristics including immune responses, growth factor signaling and cell adhesion. IGSF9 (immunoglobulin superfamily, member 9), also known as Nrt1 or IGSF9A, is a 1,179 amino acid single-

pass type I membrane protein expressed in a wide variety of fetal tissues at eight and fourteen weeks of gestation. Belonging to the immunoglobulin superfamily and the Turtle family, IGSF9 is thought to play a role in dendrite outgrowth and synapse maturation. IGSF9 contains two fibronectin type-III domains and five Ig-like (immunoglobulin-like) domains. IGSF9 interacts with MAGI-2 and Shank 1, both of which contain SH3 (Src-homology 3) domains. Protein-protein interactions are central events in cellular signal transduction and are often mediated by SH3 domains. IGSF9 is encoded by a gene located on human chromosome 1q23.2 and mouse chromosome 1 H3.

Function:
Functions in dendrite outgrowth and synapse maturation (By similarity).

Subunit:
Interacts with MAGI2 and SHANK1.

Subcellular Location:
Cell membrane; Single-pass type I membrane protein.

Similarity:
Belongs to the immunoglobulin superfamily. Turtle family.
Contains 2 fibronectin type-III domains.
Contains 5 Ig-like (immunoglobulin-like) domains.

SWISS:
Q9P2J2

Gene ID:
57549

Database links:

Entrez Gene: 57549Human

Entrez Gene: 93842Mouse

Entrez Gene: 304982Rat

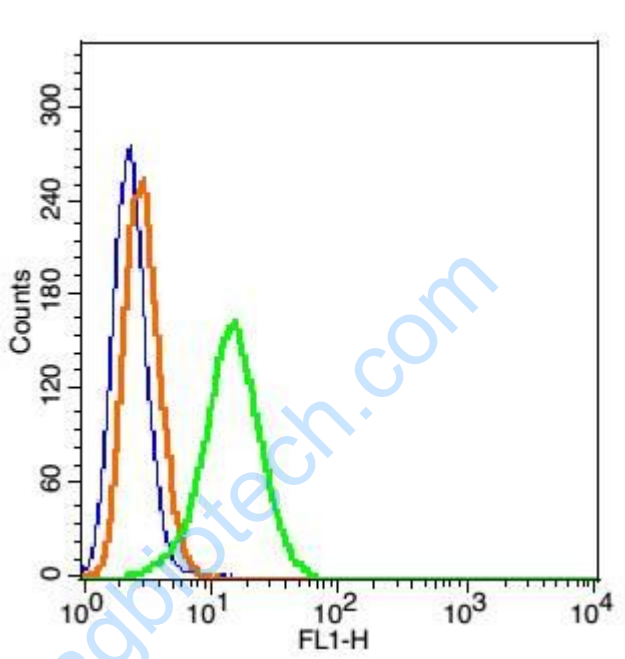
Omim: 609738Human

SwissProt: Q9P2J2Human

SwissProt: Q05BQ1Mouse

SwissProt: P0C5H6Rat

Unigene: 591472Human

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Blank control(blue): Hepg2 Cells(fixed with 2% paraformaldehyde (10 min)). Primary Antibody: Rabbit Anti-IGSF9/FITC Conjugated antibody (SL9199R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/FITC(orange) ,used under the same conditions.