



Rabbit Anti-IGSF8 antibody

SL2584R

Product Name:	IGSF8
Chinese Name:	免疫球蛋白超家族成员8抗体
Alias:	CD316; CD316 antigen; CD81 partner 3; CD81P3; EWI-2; EWI2; Glu-Trp-Ile EWI motif-containing protein 2; igsf-8; IgSF8; IGSF8_MOUSE; Immunoglobulin superfamily member 8; Immunoglobulin superfamily member 8 precursor; KCT-4; KCT4; Keratinocytes-associated transmembrane protein 4; LIR-D1; PGRL; Prostaglandin regulatory-like protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	62kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse IGSF8:101-200/611<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:	IGSF8 is a 65kDa single-pass membrane protein that may play a key role in many of the functions attributed to CD81 and CD9, like Hepatitis C infection and oocyte fertilization.

It is also believed that this protein acts as a negative regulator of cell motility (e.g. T-cell mobility, prostate cancer cell migration) and is involved in the regulation of neurite outgrowth and maintenance of the neural network in the brain.

Function:

May play a key role in diverse functions ascribed to CD81 and CD9 such as oocytes fertilization or hepatitis C virus function. May regulate proliferation and differentiation of keratinocytes. May be a negative regulator of cell motility: suppresses T-cell mobility coordinately with CD81, associates with CD82 to suppress prostate cancer cell migration, regulates epidermoid cell reaggregation and motility on laminin-5 with CD9 and CD81 as key linkers. May also play a role on integrin-dependent morphology and motility functions. May participate in the regulation of neurite outgrowth and maintenance of the neural network in the adult brain.

Subunit:

Interacts directly with CD82 and CD9/tetraspanin-29. Also interacts with integrin alpha-3/beta-1 and integrin alpha-4/beta-1. Interacts with CD81/tetraspanin-28.

Subcellular Location:

Cell membrane; Single-pass membrane protein.

Tissue Specificity:

Expressed in lymphocytes as well as in many tissues with higher expression in brain. Detected in all regions of the brain with weak expression in the pituitary. Expressed selectively by neurons but not by glial cells.

Similarity:

Contains 4 Ig-like C2-type (immunoglobulin-like) domains.

SWISS:

Q8R366

Gene ID:

140559

Database links:

[Entrez Gene: 93185](#)Human

[Entrez Gene: 140559](#)Mouse

[Omim: 606644](#)Human

[SwissProt: Q969P0](#)Human

[SwissProt: Q8R366](#)Mouse

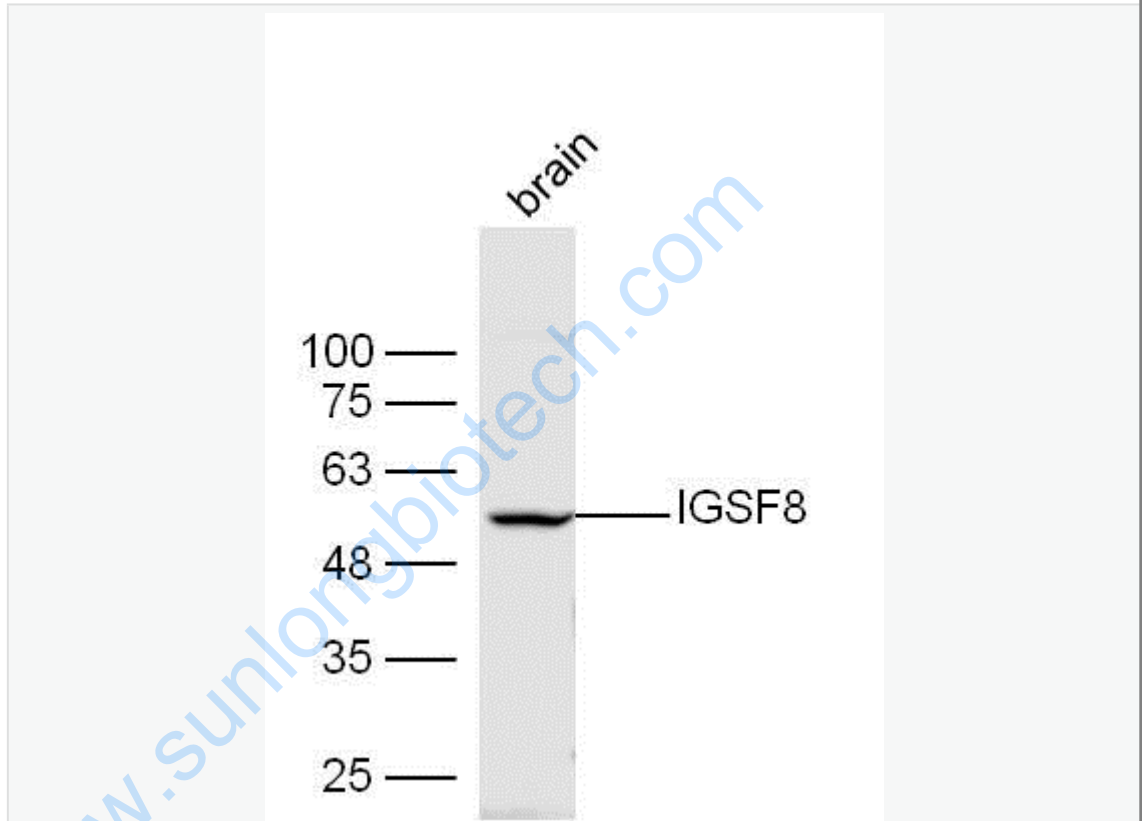
[Unigene: 332012](#)Human

[Unigene: 271717](#)Mouse

Important Note:

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

Picture:



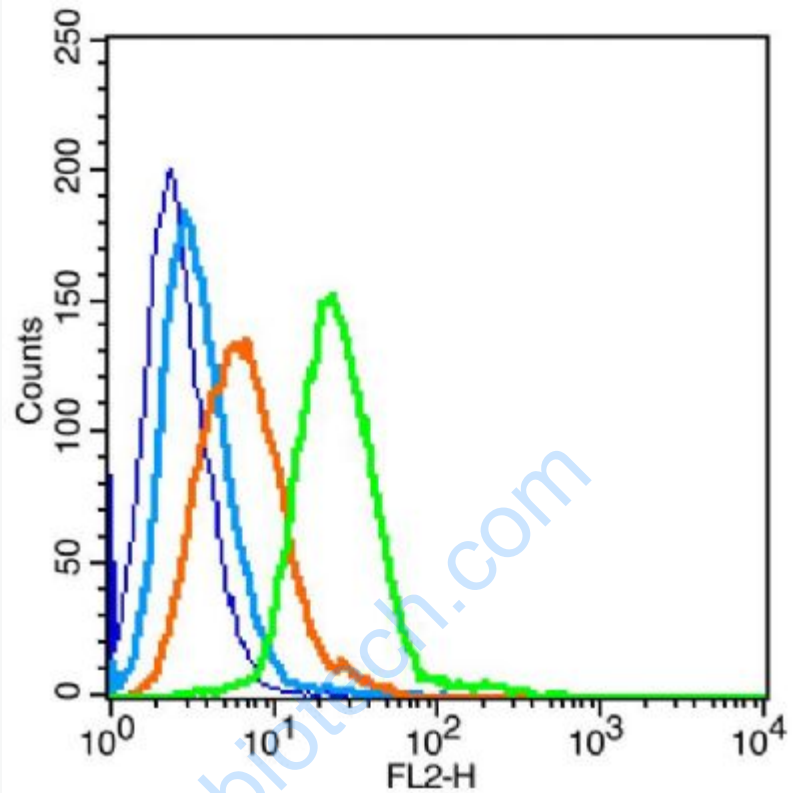
Sample: Brain(Mouse) lysate at 30ug;

Primary: Anti-IGSF8 (SL2584R) at 1:300 dilution;

Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL2584R) at 1: 5000 dilution ;

Predicted band size: 62 kD

Observed band size: 55 kD



Blank control(blue):Raji (fixed with 2% paraformaldehyde (10 min)).

Primary Antibody:Rabbit Anti-IGSF8 antibody(SL2584R), Dilution: 1 μ g in 100 μ L
1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG(orange), used under the same conditions);

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X
PBS containing 0.5% BSA.