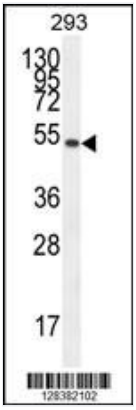
IGSF5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IGSF5, Polyclonal Antibody
Full Product Name	IGSF5, NT (IGSF5, JAM4, Immunoglobulin superfamily member 5, Junctional adhesion molecule 4) (Azide free) (HRP)
Product Gene Name	anti-IGSF5 antibody
Product Synonym Names	IGSF5; JAM4; Immunoglobulin superfamily member 5; Junctional adhesion molecule 4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	44,593 Da
OMIM	610638
3D Structure	ModBase 3D Structure for Q9NSI5
Immunogen	IGSF5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human IGSF5.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-IGSF5 antibody	Antibodies; Connexin; Junction Proteins
Applications Tested/Suitable for anti-IGSF5 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-IGSF5 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-IGSF5 antibody	Provides, together with MAGI1, an adhesion machinery at tight junctions, which may regulate the permeability of kidney glomerulus and small intestinal epithelial cells. Mediates calcium-independent homophilic cell adhesion. In testis, it may function as a cell adhesion molecule rather than a tight-junction protein. It may participate in the adhesion between spermatogonia-spermatogonia, spermatogonia-Sertoli cells, and Sertoli cells-Sertoli cells (By similarity).
Product References and Citations for anti-IGSF5 antibody	Rose, J. Phd, et al. Mol. Med. (2010).

Other Notes	Small volumes of anti-IGSF5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IGSF5 purchase	MBS6309589 is an antibody targeting IGSF5. Also known as IGSF5, NT (IGSF5, JAM4, Immunoglobulin superfamily member 5, Junctional adhesion molecule 4) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-IGSF5 antibody
IGSF5 Antibody (N-term) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the IGSF5 antibody detected the IGSF5 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IGSF5. It may not necessarily be applicable to this product.

NCBI GI #	122937285
NCBI GeneID	150084
NCBI Accession #	NP_001073913.1
UniProt Primary Accession #	Q9NSI5
UniProt Related Accession #	Q9NSI5
GenBank Nucleotide #	NM_001080444.1
NCBI Official Full Name	immunoglobulin superfamily member 5
NCBI Official Synonym Full Names	immunoglobulin superfamily, member 5
NCBI Official Symbol	IGSF5
NCBI Official Synonym Symbols	GSF5; JAM4
UniProt Protein Name	Immunoglobulin superfamily member 5
UniProt Synonym Protein Names	Junctional adhesion molecule 4; JAM-4
Protein Family	Immunoglobulin superfamily
UniProt Gene Name	IGSF5
UniProt Synonym Gene Names	JAM4; IgSF5; JAM-4
UniProt Entry Name	IGSF5_HUMAN
NCBI Protein Information	immunoglobulin superfamily member 5; JAM-4; junctional adhesion molecule 4; immunoglobulin superfamily 5 like

UniProt Comments for IGSF5	IGSF5: Provides, together with MAGI1, an adhesion machinery at tight junctions, which may regulate the permeability of kidney glomerulus and small intestinal epithelial cells. Mediates calcium-independent homophilic cell adhesion. In testis, it may function as a cell adhesion molecule rather than a tight-junction protein. It may participate in the adhesion between spermatogonia- spermatogonia, spermatogonia-Sertoli cells, and Sertoli cells- Sertoli cells. Belongs to the immunoglobulin superfamily. Protein type: Membrane protein, integral; Cell surface; Immunoglobulin superfamily; Cell adhesion Chromosomal Location of Human Ortholog: 21q22.2 Cellular Component: neuron projection; tight junction; cell surface; cell soma; integral to membrane; plasma membrane; intercellular junction Molecular Function: PDZ domain binding Biological Process: cell-cell adhesion; regulation of neurogenesis
Research Articles on IGSF5	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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