KIRREL2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	KIRREL2, Monoclonal Antibody
Full Product Name	KIRREL2 (Kin of IRRE-like Protein 2, Kin of Irregular Chiasm-like Protein 2, Nephrin-like Protein 3, NEPH3, UNQ5827/PRO19646, DKFZp564A1164, M
Product Gene Name	anti-KIRREL2 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2B9-1D3
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human KIRREL2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo the original vial prior to removing the cap.
Molecular Weight	23,583 Da
Immunogen	Full length recombinant corresponding to aa1-232 from human KIRREL2 (AAH07312) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MLRMRVPALLVLLFCFRGRAGPSPHLLQQPEDLVVLLGEGGAQASLGRRASASFSEQKNLMRIPGSSDGSSSRGPEEEETGSREDRGPIVHTDHSDLVL
Conjugate	MaxLight405
Product Categories/Family for anti-KIRREL2 antibody	Antibodies; Nephrin
Applications Tested/Suitable for anti-KIRREL2 antibody	FLISA, Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-KIRREL2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-KIRREL2 antibody	Interacts with NPHS2/podocin (via the C-terminus). Interacts with NPHS1 (via the Ig-like domains).
Other Notes	Small volumes of anti-KIRREL2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nec apply.

Searchable Terms for KIRREL2 purchase	MBS6190861 is an antibody targeting KIRREL2. Also known as KIRREL2 (Kin of IRRE-like Protein 2, Kin of Irregular Chiasm-like Protein 2, Nephrin-lik

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KIRREL2. It may not necessarily be applicable to this product.

NCBI GI #	13938359
NCBI GeneID	84063
NCBI Accession #	BC007312
NCBI Related Accession #	AAH07312
UniProt Secondary Accession #	Q6P1R1; Q7Z5P1; Q7Z5P2; Q96IQ8; Q9H0T1; C9JHF1; C9JJ76; F1T0I2
UniProt Related Accession #	Q6UWL6
NCBI Official Full Name	Homo sapiens kin of IRRE like 2 (Drosophila), mRNA
NCBI Official Synonym Full Names	kin of IRRE like 2 (Drosophila)
NCBI Official Symbol	KIRREL2
NCBI Official Synonym Symbols	NLG1; NEPH3; FILTRIN
Protein Family	Kin of IRRE-like protein
NCBI Protein Information	kin of IRRE-like protein 2
NCBI Summary for KIRREL2	This gene encodes a type I transmembrane protein and member of the immunoglobulin superfamily of cell adhesion molecules. The encoded protein localizes to adherens junctions in pancreatic beta cells and regulates insulin secretion. Autoantibodies against the encoded protein have been detected in serum from patients with type 1 diabetes. This gene may also play a role in glomerular development and decreased expression of this gene has been observed in human glomerular diseases. This gene and the related opposite-strand gene nephrin (GeneID: 527362) are regulated by a bidirectional promoter. [provided by RefSeq, Jul 2016]
Research Articles on KIRREL2	**1.** summarize the current knowledge of the functions of nephrin and Neph-family proteins and transcription factors and agents that control nephrin and Neph3 gene expression.
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