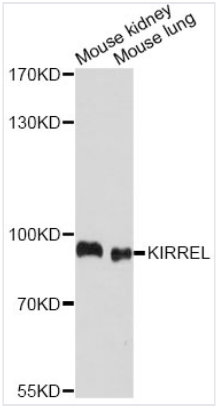
KIRREL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KIRREL, Polyclonal Antibody
Full Product Name	KIRREL Polyclonal Antibody
Product Gene Name	anti-KIRREL antibody
Product Synonym Names	FLJ10845; Kin of IRRE like (Drosophila); Kin of IRRE like; Kin of IRRE like protein 1; Kin of IRRE-like protein 1; Kin of irregular chiasm like protein 1; Kin of irregular chiasm-like protein 1; KIRR1; Kirrel; MGC129542; MGC129543; NEPH 1; NEPH1; Nephrin like protein 1; Nephrin related; Nephrin-like protein 1; OTTHUMP00000024055
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity Purification
Concentration	1 mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	Calculated: 72kDa; 83kDa; 85kDa Observed: 83kDa
3D Structure	ModBase 3D Structure for Q96J84
Immunogen	Recombinant protein of human KIRREL
Conjugation	Unconjugated
Product Categories/Family for anti-KIRREL antibody	Developmental Biology; Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-KIRREL antibody	Western Blot (WB)
Application Notes for anti-KIRREL antibody	WB: 1:500-1:2000
Related Product Information for anti-KIRREL antibody	MBS2555346 is an antibody targeting KIRREL. Also known as KIRREL Polyclonal Antibody. Reactive in Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-KIRREL 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.



Western Blot (WB) of anti-KIRREL antibody
Western blot analysis of extracts of various cell lines, using KIRREL antibody.

ADDITIONAL DETAILS

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

NCBI GI #	556503362
NCBI GeneID	55243
NCBI Accession #	NP_001273278.1
UniProt Primary Accession #	Q96J84
UniProt Secondary Accession #	Q5W0F8; Q5XKC6; Q7Z696; Q7Z7N8; Q8TB15; Q9H9N1; Q9NVA5
UniProt Related Accession #	Q96J84
GenBank Nucleotide #	NM_001286349.1
NCBI Official Full Name	kin of IRRE-like protein 1 isoform 2
NCBI Official Synonym Full Names	kirre like nephrin family adhesion molecule 1
NCBI Official Symbol	KIRREL1
NCBI Official Synonym Symbols	NEPH1; KIRREL
UniProt Protein Name	Kin of IRRE-like protein 1
UniProt Synonym Protein Names	Kin of irregular chiasm-like protein 1; Nephrin-like protein 1
Protein Family	Kin of IRRE-like protein
UniProt Gene Name	KIRREL1
NCBI Protein Information	kin of IRRE-like protein 1
NCBI Summary for KIRREL	NEPH1 is a member of the nephrin-like protein family, which includes NEPH2 (MIM 607761) and NEPH3 (MIM 607762). The cytoplasmic domains of these proteins interact with the C terminus of podocin (NPHS2; MIM 604766), and the genes are expressed in kidney podocytes, cells involved in ensuring size- and charge-selective ultrafiltration (Sellin et al., 2003 [PubMed 12424224]).[supplied by OMIM, Mar 2008]
UniProt Comments for KIRREL	Plays a significant role in the normal development and function of the glomerular permeability. Signaling protein that needs the presence of TEC kinases to fully trans-activate the transcription factor AP-1 ().
Research Articles on KIRREL	**1.** Analysis of interaction surfaces between NEPH1 and MYO1c led to the identification of a critical residue in Neph1 involved in binding to Myo1c. Indeed, a point mutant from this site abolished interaction between Neph1 and Myo1c.

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