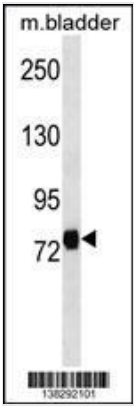
LRRC4C Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LRRC4C, Polyclonal Antibody
Full Product Name	LRRC4C, ID (LRRC4C, KIAA1580, NGL1, Leucine-rich repeat-containing protein 4C, Netrin-G1 ligand) (Azide free) (HRP)
Product Gene Name	anti-LRRC4C antibody
Product Synonym Names	LRRC4C; KIAA1580; NGL1; Leucine-rich repeat-containing protein 4C; Netrin-G1 ligand
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
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.
OMIM	608817
3D Structure	ModBase 3D Structure for Q9HCJ2
Immunogen	LRRC4C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 315-343 amino acids from the Central region of human LRRC4C.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-LRRC4C antibody	Antibodies; Netrin
Applications Tested/Suitable for anti-LRRC4C antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-LRRC4C antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-LRRC4C antibody	NGL1 is a specific binding partner for netrin G1 (NTNG1; MIM 608818), which is a member of the netrin family of axon guidance molecules (Lin et al., 2003 [PubMed 14595443]).[supplied by OMIM].
Product References and Citations for anti-LRRC4C antibody	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Sokolowski, M., et al. Mol. Psychiatry 15(1):10-11(2010). Hsu, Y.H., et al. PLoS Genet. 6 (6), E1000977 (2010): Lin, J.C., et al. Nat. Neurosci. 6(12):1270-1276(2003). Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003).
Other Notes	Small volumes of anti-LRRC4C 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 LRRC4C purchase	MBS6317190 is an antibody targeting LRRC4C. Also known as LRRC4C, ID (LRRC4C, KIAA1580, NGL1, Leucine-rich repeat-containing protein 4C, Netrin-G1 ligand) (Azide free) (HRP). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-LRRC4C antibody
LRRC4C Antibody (Center) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the LRRC4C antibody detected the LRRC4C protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LRRC4C. It may not necessarily be applicable to this product.

NCBI GI #	51317373
NCBI GeneID	57689
NCBI Accession #	NP_065980.1
UniProt Primary Accession #	Q9HCJ2
UniProt Related Accession #	Q9HCJ2
GenBank Nucleotide #	NP_065980.1
NCBI Official Full Name	leucine-rich repeat-containing protein 4C
NCBI Official Synonym Full Names	leucine rich repeat containing 4C
NCBI Official Symbol	LRRC4C
NCBI Official Synonym Symbols	NGL1; NGL-1
UniProt Protein Name	Leucine-rich repeat-containing protein 4C
UniProt Synonym Protein Names	Netrin-G1 ligand; NGL-1
Protein Family	Leucine-rich repeat-containing protein
UniProt Gene Name	LRRC4C
UniProt Synonym Gene Names	KIAA1580; NGL1; NGL-1
UniProt Entry Name	LRC4C_HUMAN
NCBI Protein Information	leucine-rich repeat-containing protein 4C
NCBI Summary for LRRC4C	NGL1 is a specific binding partner for netrin G1 (NTNG1; MIM 608818), which is a member of the netrin family of axon guidance molecules (Lin et al., 2003 [PubMed 14595443]).[supplied by OMIM, Mar 2008]

UniProt Comments for LRRC4C	LRRC4C: May promote neurite outgrowth of developing thalamic neurons. Protein type: Membrane protein, integral; Cell development/differentiation Chromosomal Location of Human Ortholog: 11p12 Cellular Component: postsynaptic membrane; extracellular space; membrane; integral to membrane; cell junction Molecular Function: protein binding Biological Process: regulation of axonogenesis
Research Articles on LRRC4C	**1.** These data suggest that the proband's autism may be due to the inheritance of disruptions in both DPP6 and LRRC4C, and may highlight the importance of the netrin G family and potassium channel interacting molecules in neurodevelopmental disorders.
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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