LRRN3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LRRN3, Polyclonal Antibody
Full Product Name	LRRN3, CT (LRRN3, Leucine-rich repeat neuronal protein 3, Neuronal leucine-rich repeat protein 3) (MaxLight 490)
Product Gene Name	anti-LRRN3 antibody
Product Synonym Names	LRRN3; Leucine-rich repeat neuronal protein 3; Neuronal leucine-rich repeat protein 3
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 MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	77kDa
3D Structure	ModBase 3D Structure for Q9H3W5
Immunogen	LRRN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 603-631 amino acids from the C-terminal region of human LRRN3.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-LRRN3 antibody	Antibodies; Leucine-rich Proteins
Applications Tested/Suitable for anti-LRRN3 antibody	Western Blot (WB), FLISA
Application Notes for anti-LRRN3 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-LRRN3 antibody	LRRN3 is a single pass type I membrane protein. It contains 1 fibronectin type III domain, 1 Ig like C2 type (immunoglobulin like) domain and 12 LRR (leucine rich) repeats. The function of the LRRN3 protein remains unknown.
Product References and Citations for anti-LRRN3 antibody	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Sousa, I., et al. Mol Autism 1 (1), 7 (2010): Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003). Fukamachi, K., et al. Biochem. Biophys. Res. Commun. 287(1):257-263(2001).
Other Notes	Small volumes of anti-LRRN3 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 LRRN3 purchase	MBS6317357 is an antibody targeting LRRN3. Also known as LRRN3, CT (LRRN3, Leucine-rich repeat neuronal protein 3, Neuronal leucine-rich repeat protein 3) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LRRN3. It may not necessarily be applicable to this product.

NCBI GI #	153792227
NCBI GeneID	54674
NCBI Accession #	NP_060804
UniProt Primary Accession #	Q9H3W5
UniProt Related Accession #	Q9H3W5
GenBank Nucleotide #	NM_018334.4
NCBI Official Full Name	leucine-rich repeat neuronal protein 3
NCBI Official Synonym Full Names	leucine rich repeat neuronal 3
NCBI Official Symbol	LRRN3
NCBI Official Synonym Symbols	NLRR3; NLRR-3; FIGLER5
UniProt Protein Name	Leucine-rich repeat neuronal protein 3
UniProt Synonym Protein Names	Neuronal leucine-rich repeat protein 3
Protein Family	Leucine-rich repeat neuronal protein
UniProt Gene Name	LRRN3
UniProt Synonym Gene Names	NLRR-3
UniProt Entry Name	LRRN3_HUMAN
NCBI Protein Information	leucine-rich repeat neuronal protein 3
UniProt Comments for LRRN3	Subcellular location: Membrane; Single-pass type I membrane protein Potential. Sequence similarities: Contains 1 fibronectin type-III domain.Contains 1 Ig-like C2-type (immunoglobulin-like) domain.Contains 12 LRR (leucine-rich) repeats.Contains 1 LRRCT domain.Contains 1 LRRNT domain.
Research Articles on LRRN3	**1.** NLRR3 is proteolytically processed by secretases and its intracellular domain is then released to translocate into the cell nucleus during ATRA-mediated neuroblastoma differentiation.
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