

Mouse Leucine-Rich Repeat Kinase 2 (LRRK2) Monoclonal Antibody | anti-LRRK2 antibody

Leucine-Rich Repeat Kinase 2 (LRRK2) Monoclonal Antibody

CATALOG # AAA47884	HOST Mouse	APPLICATIONS Immunofluorescence, Immunoblot, Western Blot
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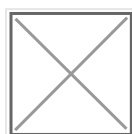
PRODUCT SYNONYMS

Leucine-Rich Repeat Kinase 2 (LRRK2); Monoclonal Antibody; Leucine-Rich Repeat Kinase 2 (LRRK2) Monoclonal Antibody; anti-LRRK2 antibody

PRODUCT SPECIFICATIONS

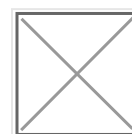
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Specificity	This antibody recognizes human and rat LRRK2.
Form/Format	100ug (1mg/ml) Protein G-purified antibody in PBS, pH 7.4, 0.1% sodium azide, 50% glycerol.
Sequence Length	2527
Applicable Applications for anti-LRRK2 antibody	IF (Immunofluorescence), IB (Immunoblot)
Immunogen	Fusion protein corresponding to aa 841-960 of human LRRK2. This sequence is 81% identical in mouse, 80% identical in rat, and <30% identical in LRRK1.
Preparation and Storage	This product is stable for at least one (1) year at -20 degree C.

IMAGES



Application Data

Detection of LRRK2 in neuroblastoma cell line SK-N-BE at 10ug/ml: DAPI (blue) nuclear stain, Texas Red F actin stain, ATTO 488 (green) LRRK2 stain.



Application Data

Detection of LRRK2 in rat brain lysate at 5ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-LRRK2 antibody	Leucine-rich repeat kinase 2 (LRRK2), also known as dardarin, is an enzyme that in humans is encoded by the PARK8 gene. The protein is present largely in the cytoplasm but also associates with the mitochondrial outer membrane. Mutations in this gene have been associated with Parkinson's disease type 8 and Crohn's disease which suggests that these two diseases share a common pathway. Expression of mutant LRRK2 induced apoptotic cell death in neuroblastoma cells and in mouse cortical neurons.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	171846278
NCBI GeneID	120892
NCBI Accession #	NP_940980

NCBI GenBank Nucleotide #	NM_198578.3
UniProt Accession #	Q5S007; Q6ZS50; Q8NCX9; A6NJU2
Molecular Weight	286,103 Da
NCBI Official Full Name	leucine-rich repeat serine/threonine-protein kinase 2
NCBI Official Synonym Full Names	leucine rich repeat kinase 2
NCBI Official Symbol	LRRK2
NCBI Official Synonym Symbols	PARK8; RIPK7; ROCO2; AURA17; DARDARIN
NCBI Protein Information	leucine-rich repeat serine/threonine-protein kinase 2
UniProt Protein Name	Leucine-rich repeat serine/threonine-protein kinase 2
UniProt Gene Name	LRRK2
UniProt Synonym Gene Names	PARK8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/leucine-rich-repeat-kinase-2-lrrk2-antibody-immunofluorescence-immunoblot-elisa/47884>