Datasheet for ABIN7044716

anti-LRRK2 antibody (N-Term)

2 Images

Go to Product page

Overview

Quantity:	50 µL
Target:	LRRK2
Binding Specificity:	AA 183-196, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRRK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CKALHVLFERVSEE, corresponding to amino acid residues 183-196 of mouse LRRK2
Isotype:	IgG
Characteristics:	Anti-LRRK2 Antibody (ABIN7044716 and ABIN7044717)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize LRKK2 from human, mouse, and rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

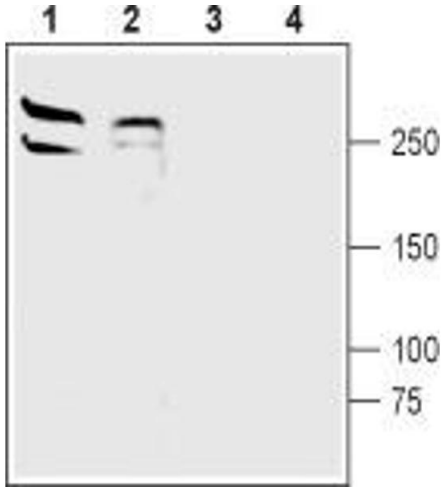
Target:	LRRK2
Alternative Name:	LRRK2 (LRRK2 Products)
Background:	Alternative names: LRRK2, Leucine-rich repeat kinase 2, Parkinson disease (Autosomal dominant) 8, PARK8, Roco2, RIPK7, Dardarin
Gene ID:	66725
NCBI Accession:	NM_198578
UniProt:	Q5S006
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling, Skeletal Muscle Fiber Development

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

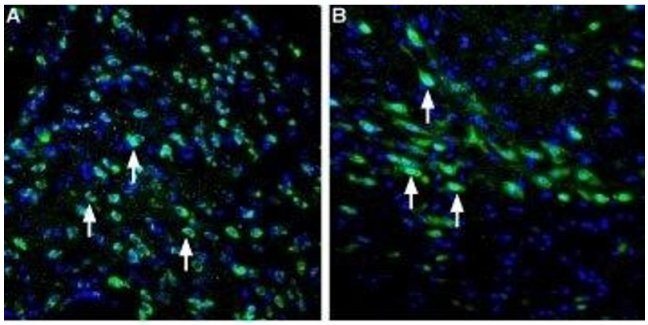
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain membranes: - 1,2. Anti-LRRK2 Antibody (ABIN7044716 and ABIN7044717), (1:200).3,4. Anti-LRRK2 Antibody, preincubated with LRRK2 Blocking Peptide (#BLP-NR102).



Immunohistochemistry

Image 2. Expression of LRRK2 in rat striatum and substantia nigra - Immunohistochemical staining of perfusion-fixed frozen rat brain sections using Anti-LRRK2 Antibody (ABIN7044716 and ABIN7044717), (1:400), followed by goat-anti-rabbit-AlexaFluor-488 secondary antibody. A. LRKK2 staining (green) of striatum sections is detected in the cytoplasm of several striatal cells (arrows). B. Staining in the substantia nigra pars compacta shows LRKK2 staining (green) in nuclei and cytoplasm of several cells (arrows). Nuclei were stained with DAPI (blue).