BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-LRRK2 Antibody Picoband®

Catalog Number: PB9281

About LRRK2

Leucine-rich repeat kinase 2 (LRRK2), also known as dardarin, is anenzyme that in humans is encoded by the PARK8 gene. It is a member of the leucine-rich repeat kinase family. This gene is mapped to 12q12. The protein is present largely in the cytoplasm but also associates with the mitochondrial outer membrane. Expression of mutant LRRK2 induced apoptotic cell death in neuroblastoma cells and in mouse cortical neurons. It has been determined that LRRK2 possesses mixed-lineage kinase activity, and LRRK2 also showed autophosphorylation activity. What's more, LRRK2 has an affinity for lipids or lipid-associated proteins and may play a role in the biogenesis or regulation of membranous intracellular structures in the brain. It is also an IFNG target gene that may be involved in signaling pathways relevant to Crohn disease.

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Overview

Product Name	Anti-LRRK2 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-LRRK2 Antibody Picoband® catalog # PB9281. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na2HPO4, and 0.05 mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q5S007

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Technical Details

Immunogen	E.coli-derived human LRRK2 recombinant protein (Position: E10-L350). Human LRRK2 shares 82% amino acid (aa) sequence identity with mouse LRRK2.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

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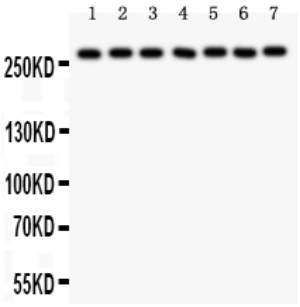
Anti-LRRK2 Antibody Picoband® (PB9281) Images



Anti-LRRK2 Picoband antibody, PB9281, Western blottingAll lanes: Anti LRRK2 (PB9281) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: Rat Liver Tissue Lysate at 50ugLane 4: U87 Whole Cell Lysate at 40ugLane 5: NEURO Whole Cell Lysate at 40ugLane 6: A549 Whole Cell Lysate at 40ugLane 7: SMMC Whole Cell Lysate at 40ugPredicted bind size: 286KDObserved bind size: 286 KD

Anti-LRRK2 Antibody

For Research Use Only. Not for use in diagnostic procedures.