

## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06550 - Goat Anti-LRRK2 / PARK8 (near C Terminus) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** LRRK2, PARK8, Roco2, FLJ45829, DKFZp434H2111, leucine-rich repeat kinase 2, dardarin, Parkinson disease (autosomal dominant) 8

**Official Symbol:** LRRK2

**Accession Number(s):** NP\_940980.3

**Human GeneID(s):** [120892](#)

### Immunogen

Peptide with sequence CELAEKMRRTSV, from the internal region (near the C Terminus) of the protein sequence according to NP\_940980.3.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** This product has been successfully used in Western blot for human brain as described in the following paper: Sharma et al, Neuropathol Appl Neurobiol. 2011 Jun 23, PMID 21696411. Recommended concentration: 0.3-1µg/ml.

**IHC:** In paraffin embedded Human Brain (Hippocampus) shows staining of neuronal cytoplasm. Recommended concentration: 1-2µg/ml. Paraffin embedded Human Brain (Cortex). Recommended concentration: 2µg/ml. This product has been successfully used in immunohistochemistry on human brain: Alegre-Abarrategui J et al., Neuropathol Appl Neurobiol. 2007 Oct 26; PMID: 17971075.

**Immunoelectron microscopy:** This antibody has been successfully used in IEM as described in the following paper: Alegre-Abarrategui et al, Hum Mol Genet. 2009 Nov 1;18(21):4022-34, PMID: 19640926.

**ICC:** This antibody has also been successfully used in ICC for human neurons as described in: Sharma et al, Neuropathol Appl Neurobiol. 2011 Jun 23, PMID 21696411.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Cow

### Specific References

**This antibody has been successfully used in the following paper:**

Alegre-Abarrategui J, Ansorge O, Esiri M, Wade-Martins R.

LRRK2 is a component of granular alpha-synuclein pathology in the brainstem of Parkinson's disease.

Neuropathol Appl Neurobiol. 2007 Oct 26.

PMID: 17971075

**This antibody has been successfully used in the following paper:**

Sharma S, Bandopadhyay R, Lashley T, Renton AE, Kingsbury AE, Kumaran R, Kallis C, Vilariño-Güell C, O'Sullivan SS, Lees AJ, Revesz T, Wood NW, Holton JL.

LRRK2 expression in idiopathic and G2019S positive Parkinson's disease subjects: A morphological and quantitative study.

Neuropathol Appl Neurobiol. 2011 Jun 23.

PMID: 21696411

**This antibody has been successfully used in the following paper:**

Alegre-Abarrategui J, Christian H, Lufino MM, Mutihac R, Venda LL, Ansorge O, Wade-Martins R.

LRRK2 regulates autophagic activity and localizes to specific membrane microdomains in a novel human genomic reporter cellular model.

Hum Mol Genet. 2009 Nov 1;18(21):4022-34.

PMID: 19640926

EB06550 (1.5µg/ml) staining of paraffin embedded Human Hippocampus CA4. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining.

EB06550 (2µg/ml) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

EB06550 Negative Control showing staining of paraffin embedded Human Cortex, with no primary antibody.