

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human LRRN1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 5% cross-reactivity with recombinant human NLRR-3 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human LRRN1 Ser26-Ala631 Accession # AAH34947
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

LRRN1 (Leucine-rich repeat neuronal protein 1; NLRR1) is a 95 kDa member of the neuronal LRR family of proteins. It is a cell-surface glycoprotein that is expressed on embryonic motor neurons and somatic myoblasts. Human LRRN1 is 716 amino acids (aa) in length. It is a type I transmembrane protein that contains a 606 aa extracellular region (aa 26-631) and a short 64 aa cytoplasmic tail. The extracellular region shows eleven LRRs (aa 94-384) that mediate protein-protein interactions, one C2-type Ig-like domain and one fibronectin type III domain. There is one potential alternate start site at Met286. Over aa 26-631, human LRRN1 shares 96% aa sequence identity with mouse LRRN1.

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