

Datasheet for ABIN7602408
anti-LRRN1 antibody (AA 74-655)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	LRRN1
Binding Specificity:	AA 74-655
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRRN1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-LRRN1 Antibody Picoband®
Immunogen:	E.coli-derived human LRRN1 recombinant protein (Position: T74-R655).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-LRRN1 Antibody Picoband® (ABIN7602408). Tested in ELISA, IHC, WB, Flow Cytometry 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	LRRN1
Alternative Name:	LRRN1 (LRRN1 Products)
Background:	<p>Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody</p> <p>Tissue Specificity: Expressed in all tissues.</p> <p>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.</p>

Molecular Weight:	95 kDa
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Gene ID:	57633
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Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Mouse, Rat</p> <p>Immunohistochemistry, 2-5 µg/mL, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Liu, B., Zhang, Y., Fan, Y., Wang, S., Li, Z., Deng, M., ... & Qu, X. (2019). Leucine-rich repeat neuronal protein-1 suppresses apoptosis of gastric cancer cells through regulation of Fas/FasL. <i>Cancer Science</i>, 110(7), 2145-2155. 2. Liao, C. H., Wang, Y. H., Chang, W. W., Yang, B. C., Wu, T. J., Liu, W. L., ... & Yu, J. (2018). Leucine-rich repeat neuronal protein 1 regulates</p>
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Application Details

differentiation of embryonic stem cells by post-translational modifications of pluripotency factors. Stem Cells, 36(10), 1514-1524. 3. Hossain, M. S., Ozaki, T., Wang, H., Nakagawa, A., Takenobu, H., Ohira, M., ... & Nakagawara, A. (2008). N-MYC promotes cell proliferation through a transactivation of neuronal leucine-rich repeat protein-1 (NLRR1) gene in neuroblastoma. Oncogene, 27(46), 6075-6082.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	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 freezing and thawing.