Datasheet for ABIN7600626

anti-LRRC40 antibody (AA 21-598)

Go to Product page

Overview

Quantity:	100 µg
Target:	LRRC40
Binding Specificity:	AA 21-598
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRRC40 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-LRRC40 Antibody Picoband®
Immunogen:	E.coli-derived human LRRC40 recombinant protein (Position: R21-D598). Human LRRC40 shares 84.1% amino acid (aa) sequence identity with mouse LRRC40.
Characteristics:	Anti-LRRC40 Antibody Picoband® (ABIN7600626). Tested in WB, ELISA 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:	LRRC40
Alternative Name:	LRRC40 (LRRC40 Products)
Background:	Leucine rich repeat containing 40 (LRRC40) is a protein that in humans is encoded by the LRRC40 gene. The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic α/β horseshoe fold, allowing it to accommodate several leucine residues within a tightly packed core. All LRR repeats contain a variable segment and a highly conserved segment, the latter of which accounts for 11 or 12 residues of the entire LRR motif. The primary function of these motifs is to provide a versatile structural framework to mediate the formation of protein-protein interactions. LRRs are present in a variety of proteins with diverse structure and function, including innate immunity and nervous system development. Several human diseases are associated with mutations in genes encoding LRR-containing proteins. LRRC40 (leucine rich repeat containing 40) is a 602 amino acid protein that contains 20 LRR (leucine-rich) repeats.
Molecular Weight:	72 kDa
Gene ID:	55631
UniProt:	Q9H9A6

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Pijuan, J. , Juan Darío Ortigoza-Escobar, Ortiz, J. , Adrián Alcalá, María José Calvo, & Cubells, M. , et al. (2021). Plxna2 and lrrc40 as candidate genes in autism spectrum disorder. Autism Research. 2. Liu, H. , Cui, J. , Zhang, Y. , Niu, M. , Xue, X. , & Yin, H. , et al. (2019). Mass spectrometry-based proteomic analysis of fscn1-interacting proteins in laryngeal squamous cell carcinoma cells. IUBMB Life, 71(11). 3. Wang, Y. , Du, S. , Zhu, C. , Wang, C. , & Cai, Q. . (2020). Stub1 is targeted by the sumo-interacting motif of ebna1 to maintain epstein-barr virus latency. PLoS Pathogens, 16(3), e1008447.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

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.