

Datasheet for 600-401-CM5**LRRC19 Antibody****Overview**

Description:	Anti-LRRC19 (RABBIT) Antibody - 600-401-CM5
Item No.:	600-401-CM5
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	LRRC19 is a member of the extracellular leucine-rich repeat superfamily, a family of proteins that are thought to have diverse functions such as cell adhesion, signaling, and innate immunity. LRRC19 is closely related to the Toll-like receptors (TLRs), especially TLR3. LRRC19 does not contain a cytoplasmic Toll/IL-1 receptor (TIR) domain, but can activate NF-κB and induce the production of proinflammatory cytokines after stimulation with the TLR3 and other TLR ligands, suggesting that LRRC19 may play a role in the recognition and the response to certain pathogenic microorganisms. LRRC19 has also been suggested to be a potential biomarker for pancreatic tumor sensitivity to the anti-cancer, small molecule Src inhibitor AZD0530.
Synonyms:	LRRC19 Antibody, Leucine-rich repeat-containing protein 19
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	LRRC19
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-LRRC19 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the C-terminus of human LRRC19.

Purity/Specificity: Anti-LRRC19 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with LRRC19 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q9H756](#)
- [GeneID - 64922](#)
- [NCBI - NP_075052](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-LRRC19 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 42 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000

IF: 20 µg/mL

WB: 1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

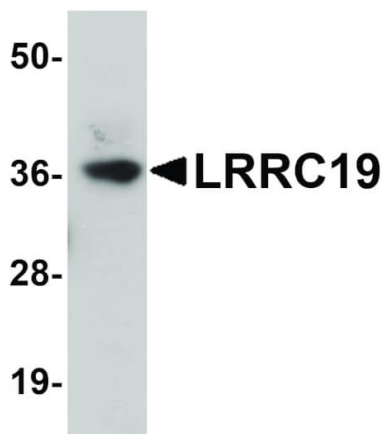
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of LRRC19 antibody. Lane 1: K562 cell lysate with LRRC19 antibody at 1 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 42 kDa, 37 kDa for LRRC19. Other band(s): LRRC19 splice variants and isoforms.



Immunohistochemistry

Immunocytochemistry of LRCC19 antibody. Tissue: K562 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: LRCC19 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: LRCC19 is a membrane protein. Staining: LRCC19 as precipitated pink signal with blue nuclear counterstain.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.