

Datasheet for 600-401-CH6**LANO Antibody****Overview**

Description:	Anti-LANO (RABBIT) Antibody - 600-401-CH6
Item No.:	600-401-CH6
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Lano is a member of the LAP (leucine-rich repeats and PDZ) family of proteins that also includes Densin-180, Erbin, and hScribble. The LAP proteins generally contain multiple leucine-rich repeat (LRR) domains which serve to target them to the basolateral membrane of epithelial cells. Lano is unique in that it alone does not possess one or more PDZ (PSD95/DLG/ZO-1) domains as do the other members of the LAP family. However, it can bind to the PDZ domain of Erbin in addition to those of membrane-associated and guanylate kinase (MAGUK) proteins which regulate adhesion and plasticity at cell junctions. It has been suggested that it is through these interaction that these LAP proteins participate in the maintenance of proper embryonic development and integrity of epithelial tissues.
Synonyms:	LANO Antibody, dJ523E19.1, LANO, Leucine-rich repeat-containing protein 1, LANO adapter protein, LAP and no PDZ protein, LRRC1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	LRRC1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Lano antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to 15 amino acids near the C-terminus of human Lano.
Purity/Specificity:	Anti-Lano Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Lano from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9BTT6 • GeneID - 55227 • NCBI - AAK72246

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-Lano Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 59 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 - 1:20,000
IF:	20 µg/mL
IHC:	10 µg/mL
WB:	1-2 µg/mL

Formulation

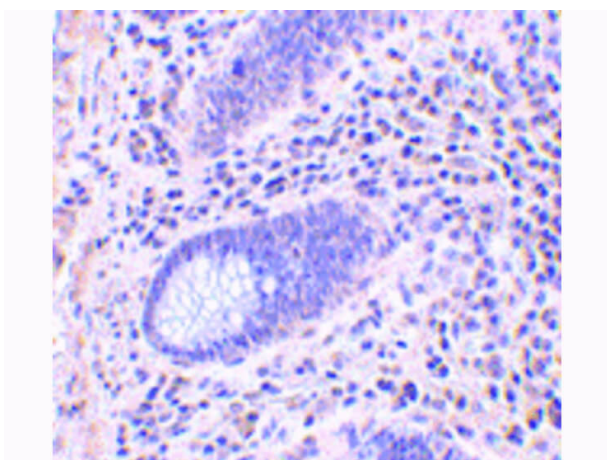
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
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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



Immunohistochemistry

Immunohistochemistry of Lano antibody. Tissue: human colon tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Lano antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Lano is cytoplasmic. Staining: Lano as precipitated hematoxylin purple 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.