

Datasheet for 600-401-CJ0**LASS6 Antibody****Overview**

Description:	Anti-LASS6 (RABBIT) Antibody - 600-401-CJ0
Item No.:	600-401-CJ0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The LASS (longevity assurance homolog) family members represent a subgroup of the homeobox gene family and are highly conserved from yeasts to mammals. Six members of this family of proteins have been characterized (LASS1-6) and all are involved in ceramide synthesis during cell growth regulation and cancer differentiation. Like the highly homologous LASS5, LASS6 is also an endoplasmic reticulum, multi-pass membrane protein. LASS6 is also involved in the synthesis of C14, C16 and C18-ceramide, but shows a preference for unsaturated fatty acids. LASS6 is broadly expressed in a wide range of tissues and microarray data suggests that it may play a role in cancer differentiation and early embryonic development.
Synonyms:	LASS6 Antibody, LASS6, Ceramide synthase 6, LAG1 longevity assurance homolog 6, CerS6
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CERS6
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-LASS6 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 13 amino acid synthetic peptide near the N-terminus of the human LASS6.

Purity/Specificity:	Anti-LASS6 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms of LASS6 are known to exist. This antibody is predicted not to cross-react with LASS5.
Relevant Links:	• UniProtKB - Q6ZMG9 • GeneID - 253782 • NCBI - AAI09285

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-LASS6 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 45 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:	2.5 µg/mL
WB:	1-2 µg/mL

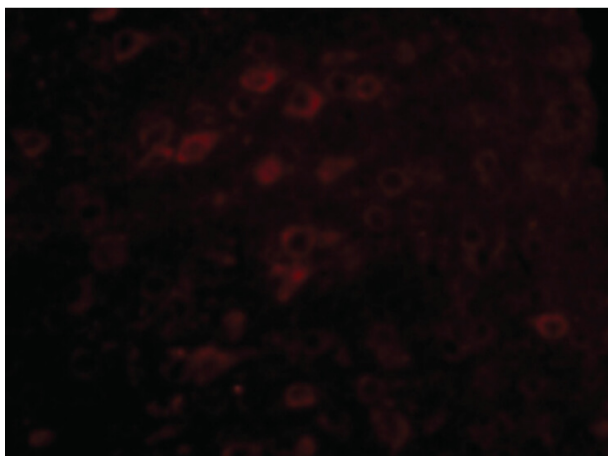
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 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

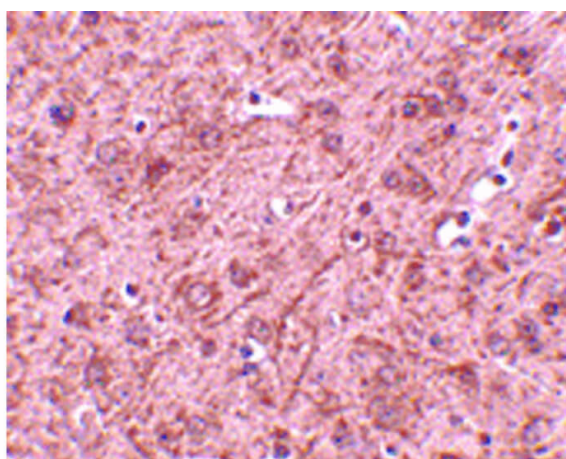
Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy

Immunofluorescence Microscopy of LASS6 antibody. Tissue: Mouse brain cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: LASS6 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: LASS6 as a red fluorescent signal.



Immunohistochemistry

Immunohistochemistry of LASS6 antibody. Tissue: Mouse brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: LASS6 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: LASS6 is nuclear and occasionally cytoplasmic. Staining: LASS6 as a precipitated red signal with 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.