

Datasheet for 600-401-DH5**ORMDL1 Antibody****Overview**

Description:	Anti-ORMDL1 (RABBIT) Antibody - 600-401-DH5
Item No.:	600-401-DH5
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The ORMDL (ORM1-like) family of proteins consist of ORMDL1, ORMDL2 and ORMDL3 that may play roles in gamma-secretase complex maturation. Localized to the membrane of the endoplasmic reticulum, ORMDLs are widely expressed and are implicated in the expression of Presenilin (PSI) which is involved in Alzheimer's disease (AD). Expression of ORMDL1 is down-regulated in PSI mutations, suggesting a possible role as a therapeutic target for AD. ORMDLs have recently been identified as a potential risk factor for childhood asthma.
Synonyms:	ORMDL1 Antibody, ORM1-like protein 1, Adoplin-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ORMDL1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ORMDL1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide of human ORMDL1.

Purity/Specificity: Anti-ORMDL1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. ORMDL1 antibody may cross-react with other ORMDL protein family members.

Relevant Links:

- [UniProtKB - Q9P0S3](#)
- [GeneID - 94101](#)
- [NCBI - NP_057551](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-ORMDL1 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 17 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: 5 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

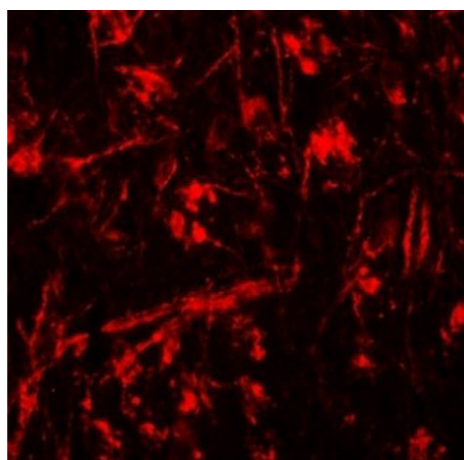
Shipping & Handling

Shipping Condition: Dry Ice

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

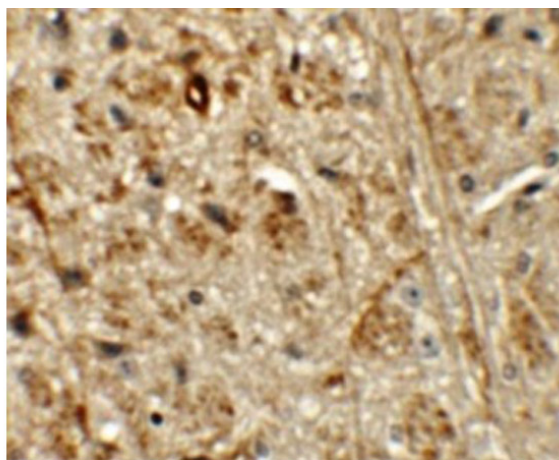


Immunofluorescence Microscopy

Immunofluorescence of ORMDL1.

Tissue: mouse brain tissue.

Primary Antibody: ORMDL1 antibody at 20 µg/mL.

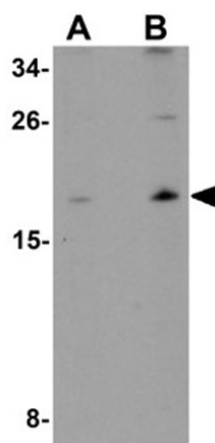


Immunohistochemistry

Immunohistochemistry of ORMDL1.

Tissue: mouse brain tissue.

Primary Antibody: ORMDL1 antibody at 5 µg/mL.

**Western Blot**

Western blot analysis of ORM DL1.

Load: SK-N-SH Cell lysate.

Primary Antibody: ORM DL1 antibody at (A) 1 μ g/mL and (B) 2 μ g/mL.

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.