

Datasheet for 600-401-AW7**DNM1L Antibody****Overview**

Description:	Anti-DNM1L (RABBIT) Antibody - 600-401-AW7
Item No.:	600-401-AW7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	The Dynamin-1-like protein (DNM1L) is a member of the dynamin superfamily of GTPases (1). DNM1L mediates mitochondrial and peroxisomal division, and is involved in developmentally regulated apoptosis and programmed necrosis (2). Dysfunction of this gene is implicated in several neurological disorders, including Alzheimer's disease. Mutations in this gene are associated with the autosomal dominant disorder, encephalopathy, lethal, due to defective mitochondrial and peroxisomal fission (EMPF) (3).
Synonyms:	DNM1L Antibody, DLP1, DRP1, DVLP, EMPF, DYMPLE, HDYNIV, DLP1, Dynamin-1-like protein, Dynamin family member proline-rich carboxyl-terminal domain less
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DNM1L
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-DNM1L antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the internal region of human DNM1L.

Purity/Specificity: Anti-DNM1L antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. DNM1L antibody is human and mouse reactive. At least four isoforms of DNM1L are known to exist; this antibody will detect the two longest isoforms.

Relevant Links:

- [UniProtKB - O00429](#)
- [GeneID - 10059](#)
- [NCBI - NP_036192](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-DNM1L 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 82 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

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

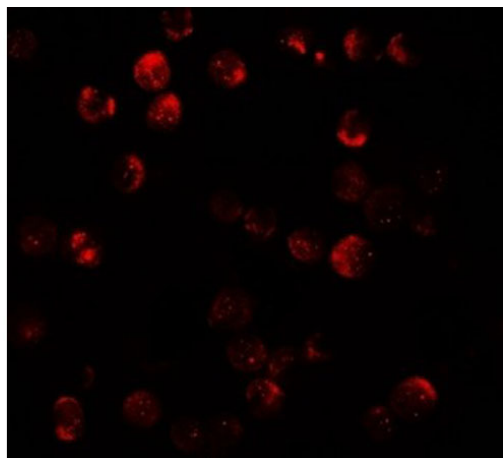
Shipping & Handling

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

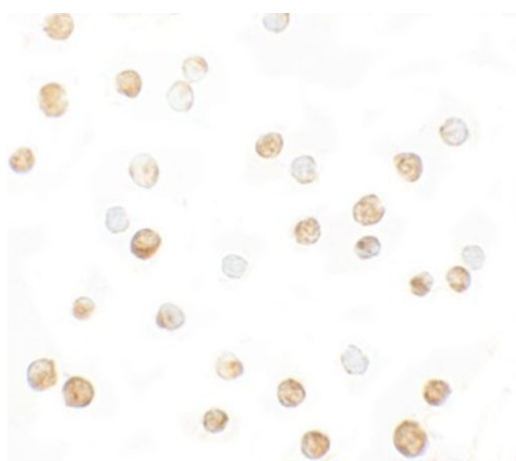


Immunofluorescence Microscopy

Immunofluorescence of DNM1L.

Cell: HeLa cells.

Primary Antibody: DNM1L antibody at 20 µg/mL.

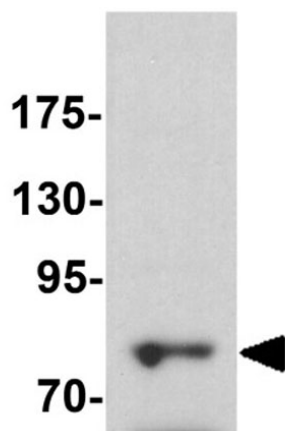


Immunocytochemistry

Immunocytochemistry of DNM1L.

Cell: HeLa cells.

Primary Antibody: DNM1L antibody at 5 µg/mL.



Western Blot

Western blot of DNM1L.

Load: HeLa cell lysate.

Primary Antibody: DNM1L antibody at 1 µg/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.