

Datasheet for ABIN2784887

anti-Dynamin 1-Like antibody (N-Term)

3 Images

1 Publication

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Overview

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| Quantity: | 100 µL |
| Target: | Dynamin 1-Like (DNM1L) |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Saccharomyces cerevisiae, Zebrafish (Danio rerio) |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Dynamin 1-Like antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human DNM1L |
| Sequence: | IRQEIENETE RISGNNKGVS PEPIHLKIFS PNVVNLTLVD LPGMTKVPVG |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 85%, Zebrafish: 93% |
| Characteristics: | This is a rabbit polyclonal antibody against DNM1L. It was validated on Western Blot. |
| Purification: | Affinity Purified |

Target Details

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| Target: | Dynamin 1-Like (DNM1L) |
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Target Details

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| Alternative Name: | DNM1L (DNM1L Products) |
| Background: | <p>The protein encoded by this gene is a member of the dynamin superfamily of GTPases. Members of the dynamin-related subfamily, including the <i>S. cerevisiae</i> proteins Dnm1 and Vps1, contain the N-terminal tripartite GTPase domain but do not have the pleckstrin homology or proline-rich domains. This protein establishes mitochondrial morphology through a role in distributing mitochondrial tubules throughout the cytoplasm. The gene has 3 alternatively spliced transcripts encoding different isoforms. These transcripts are alternatively polyadenylated.</p> <p>Alias Symbols: DLP1, DRP1, DVLP, DYMPLE, HDYNIV, VPS1, EMPF, DYNIV-11</p> <p>Protein Interaction Partner: ZBTB24, UBC, SCG3, SH3GL1, RRM2, MAGEA3, MAGEA1, MARCH5, EGFR, VPS26A, SSB, CARS, ATP6V1C1, APEH, PSMG3, FAM129B, TBC1D15, CYHR1, ARFIP1, JMJD6, SEC24A, SOX2, DNM1L, MIEF2, MFF, PEX14, LRRK2, MIEF1, COPS5, GABRR1, MUL1, SUMO2, PARK2, PEX25, PEX11G, PEX11A</p> <p>Protein Size: 736</p> |
| Molecular Weight: | 82 kDa |
| Gene ID: | 10059 |
| NCBI Accession: | NM_012062 , NP_036192 |
| UniProt: | O00429 |

Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 736 AA |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |

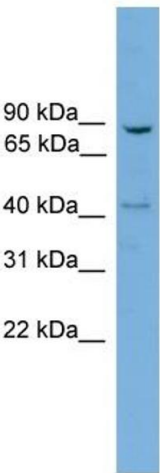
Handling

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| | should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Publications

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|-------------------|---|
| Product cited in: | Hoffmann, Dietrich, Herrmann, Schacht, Albrecht, Methner: "Dimethyl Fumarate Induces Glutathione Recycling by Upregulation of Glutathione Reductase." in: Oxidative medicine and cellular longevity , Vol. 2017, pp. 6093903, (2017) (PubMed). |
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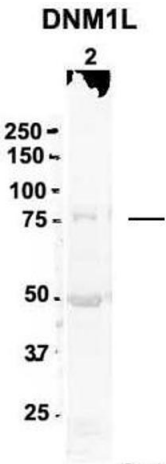
Images



Western Blotting

Image 1. WB Suggested Anti-DNM1L Antibody Titration:
0.2-1 ug/ml

Positive Control: Hela cell lysate



See Immunoblot 2 Data for more information.

Western Blotting

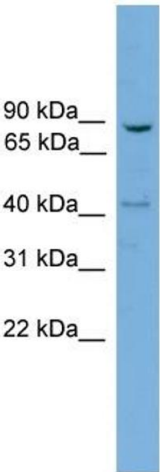
Image 2. Sample Type: 2. mouse brain extracts (80ug)

Primary Antibody Dilution: 2ug/ml

Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR Bioscience

Secondary Antibody Dilution: 1: 20,000

Image Submitted by: Yuzhi Chen
University of Arkansas for Medical Science



Western Blotting

Image 3. WB Suggested Anti-DNM1L

Antibody Titration: 0.2-1 µg/mL

Positive Control: Hela cell lysate

DNM1L is supported by BioGPS gene expression data to be expressed in HeLa