

Datasheet for ABIN7602269  
**anti-LMBRD1 antibody (AA 67-540)**



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## Overview

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Quantity:            | 100 µg                                              |
| Target:              | LMBRD1                                              |
| Binding Specificity: | AA 67-540                                           |
| Reactivity:          | Human                                               |
| Host:                | Rabbit                                              |
| Clonality:           | Polyclonal                                          |
| Conjugate:           | This LMBRD1 antibody is un-conjugated               |
| Application:         | ELISA, Western Blotting (WB), Flow Cytometry (FACS) |

## Product Details

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| Purpose:                    | Anti-LMBRD1 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen:                  | E.coli-derived human LMBRD1 recombinant protein (Position: D67-A540). Human LMBRD1 shares 93.9% amino acid (aa) sequence identity with both mouse and rat LMBRD1.                                                                                                                                                                                                                                                  |
| Isotype:                    | IgG                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins                                                                                                                                                                                                                                                                                                                                                                            |
| Characteristics:            | Anti-LMBRD1 Antibody Picoband® (ABIN7602269). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification:               | Immunogen affinity purified.                                                                                                                                                                                                                                                                                                                                                                                       |

## Target Details

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|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | LMBRD1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Alternative Name: | LMBRD1 ( <a href="#">LMBRD1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Background:       | <p>Synonyms: LMBRD1, C6orf209, NESI, BM-021, CD001, MSTP044, Probable lysosomal cobalamin transporter, HDAG-L-interacting protein NESI, LMBR1 domain-containing protein 1, Nuclear export signal-interacting protein</p> <p>Background: This gene encodes a lysosomal membrane protein that may be involved in the transport and metabolism of cobalamin. This protein also interacts with the large form of the hepatitis delta antigen and may be required for the nucleocytoplasmic shuttling of the hepatitis delta virus. Mutations in this gene are associated with the vitamin B12 metabolism disorder termed, homocystinuria-megaloblastic anemia complementation type F.</p> |
| Molecular Weight: | 61 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene ID:          | 55788                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Application Details

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| Application Notes: | <p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL</p> <p>1. Buers, I., Pennekamp, P., Nitschke, Y., Lowe, C., Skryabin, B. V., Rutsch, F. Lmbrd1 expression is essential for the initiation of gastrulation. J. Cell. Molec. Med. 20: 1523-1533, 2016. 2. Dickinson, M. E., Flenniken, A. M., Ji, X., Teboul, L., Wong, M. D., White, J. K., Meehan, T. F., Weninger, W. J., Westerberg, H., Adissu, H., Baker, C. N., Bower, L., and 73 others. High-throughput discovery of novel developmental phenotypes. Nature 537: 508-514, 2016. Note: Erratum: Nature 551: 398 only, 2017. 3. Kawaguchi, K., Okamoto, T., Morita, M., Imanaka, T. Translocation of the ABC transporter ABCD4 from the endoplasmic reticulum to lysosomes requires the escort protein LMBD1. Sci. Rep. 6: 30183, 2016. Note: Electronic Article.</p> |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Handling

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| Format:         | Lyophilized                                                               |
| Reconstitution: | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration:  | 500 µg/mL                                                                 |
| Buffer:         | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.           |

## Handling

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Storage: 4 °C, -20 °C

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Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.