

Datasheet for ABIN6168163  
**anti-VLDLR antibody (C-Term) (CF®640R)**



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## Overview

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|----------------------|----------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                     |
| Target:              | VLDLR                                                                                                                      |
| Binding Specificity: | C-Term                                                                                                                     |
| Reactivity:          | Human, Rat                                                                                                                 |
| Host:                | Mouse                                                                                                                      |
| Clonality:           | Monoclonal                                                                                                                 |
| Conjugate:           | This VLDLR antibody is conjugated to CF®640R                                                                               |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS),<br>Immunofluorescence (IF), Immunostaining (ISt) |

## Product Details

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| Purpose:         | Mouse Monoclonal anti-VLDL Receptor (VLDLR/1337), CF640R Conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Immunogen:       | Recombinant human VLDLR fragment from c-terminal (exact sequence is proprietary)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Clone:           | VLDLR-1337                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Isotype:         | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Characteristics: | VLDLR (very low density lipoprotein receptor) is a member of the LDL receptor gene family, which includes LDL receptor, LRP, megalin, VLDLR and ApoER2. The LDL receptor family is characterized by a cluster of cysteine-rich class A repeats, epidermal growth factor (EGF)-like repeats, YWTD repeats and an O-linked sugar domain. VLDLR associates with RAP (receptor associated protein) during receptor folding, and RAP facilitates the secretion of the extracellular region of VLDLR. VLDLR is thought to mediate the interaction of extracellular Reelin and |

## Product Details

cytosolic mDab1 (mammalian disabled protein), which activates a tyrosine kinase. This pathway regulates the migration of neurons along the radial glial fiber network during brain development. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                     |
|-------------------|---------------------------------------------------------------------|
| Target:           | VLDLR                                                               |
| Alternative Name: | VLDL Receptor ( <a href="#">VLDLR Products</a> )                    |
| Background:       | Very low-density lipoprotein receptor, VLDL receptor, VLDL-R, VLDLR |
| Molecular Weight: | 143-161 kDa                                                         |
| Gene ID:          | 7436                                                                |
| Pathways:         | <a href="#">Cellular Response to Molecule of Bacterial Origin</a>   |

## Application Details

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| Application Notes: | Immunohistology (formalin) 1-2 µg/mL <ul style="list-style-type: none"><li>• Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Tris, 1 mM EDTA pH 9.0 for 10-20 min followed by cooling at RT for 20 min</li><li>• Immunofluorescence 0.5-1 µg/mL</li><li>• Flow Cytometry 0.5-1 µg/million cells/0.1 mL</li><li>• Western blotting 0.5-1 µg/mL</li><li>• Optimal dilution for a specific application should be determined by user</li></ul> |
| Comment:           | HeLa or U-251 cells. Pancreas, Cerebellum, Heart or Skeletal Muscle.                                                                                                                                                                                                                                                                                                                                                                                                          |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Handling

|                |                            |
|----------------|----------------------------|
| Format:        | Liquid                     |
| Concentration: | 100 µg/mL                  |
| Buffer:        | PBS/0.1 % BSA/0.05 % azide |
| Preservative:  | Sodium azide               |

## Handling

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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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| Handling Advice: | Protect from light |
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