
Product Information

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| Product SKU: | CAB10049 | Gene ID: | 29881 | Size: | 20uL, 100uL |
| Clone No: | - | Host Species: | Rabbit | Reactivity: | Human,Rat |

Additional Information

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| Observed MW: | 140kDa/150kDa | Conjugate: | Unconjugated |
| Calculated MW: | 149kDa | Isotype: | IgG |

Immunogen Information

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| Background: | The protein encoded by this gene is a multi-pass membrane protein. It contains a conserved N-terminal Niemann-Pick C1 (NPC1) domain and a putative sterol-sensing domain (SSD) which includes a YQRL motif functioning as a plasma membrane to trans-Golgi network transport signal in other proteins. This protein takes up free cholesterol into cells through vesicular endocytosis and plays a critical role in the absorption of intestinal cholesterol. It also has the ability to transport alpha-tocopherol (vitamin E). The drug ezetimibe targets this protein and inhibits the absorption of intestinal cholesterol and alpha-tocopherol. In addition, this protein may play a critical role in regulating lipid metabolism. Polymorphic variations in this gene are associated with plasma total cholesterol and low-density lipoprotein cholesterol (LDL-C) levels and coronary heart disease (CHD) risk. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| Recommended Dilution: | WB,1:1000 - 1:5000 |
| Synonyms: | LDLCQ7; NPC11L1; SLC65A2; Niemann-Pick type C1 Like-1 |
| Purification Method: | Affinity purification |
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 1030-1100 of human Niemann-Pick type C1 Like-1 (NP_001095118.1). |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3. |