**LDLR (low density lipoprotein receptor) is a member of the LDL receptor gene family and is involved in receptor-mediated endocytosis of specific ligands. The LDLR is a cell surface glycoprotein that scavenges LDL from the blood and regulates plasma LDL cholesterol. The cytoplasmic domain of the LDL receptor is necessary for the receptor to cluster in coated pits, which promotes the rapid endocytosis of bound LDL. The protein is highly glycosylated through N- and O-linkages and thus migrates at 100 to 160 kDa bands on SDS-PAGE.**

**Notable Publications**

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<th>Author</th>
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<tr>
<td>Yimin Jia</td>
<td>27649845</td>
<td>J Agric Food Chem</td>
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<td>Shanshan Zhong</td>
<td>30375986</td>
<td>J Clin Invest</td>
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<td>Xiang-Li Bai</td>
<td>26303615</td>
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**Storage**

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage.

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For technical support and original validation data for this product please contact:
T 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or (312) 405-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
HeLa cells were subjected to SDS PAGE followed by western blot with 10785-1-AP (LDLR antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

IP Result of anti-LDLR (IP: 10785-1-AP, 5ug; Detection: 10785-1-AP 1:500) with HeLa cells lysate 1200ug.

Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 10785-1-AP (LDLR Antibody) at dilution of 1:200 (under 10x lens), heat mediated antigen retrieved with Sodium Citrate buffer (pH 6).

Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 10785-1-AP (LDLR Antibody) at dilution of 1:200 (under 40x lens). heat mediated antigen retrieved with Sodium Citrate buffer (pH 6).

Immunofluorescent analysis of -20 Ethanol fixed HeLa cells using 10785-1-AP (LDLR antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit (gIg+H+) with dilution 1:1500. 1X10⁶ HeLa cells were stained with .2ug LDLR antibody (10785-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit (gIg+H+) with dilution 1:1500.