

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## LDLR RABBIT PAB

Cat.#: S215047

**Product Name:** Anti-LDLR Rabbit Polyclonal Antibody

**Synonyms:** FH; FHC; LDLCQ2

UNIPROT ID: P01130 (Gene Accession - NP\_000518)

**Background:** The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. Low density lipoprotein (LDL) is normally bound at the cell membrane and taken into the cell ending up in lysosomes where the protein is degraded and the cholesterol is made available for repression of microsomal enzyme 3-hydroxy-3-methylglutaryl coenzyme A (HMG CoA) reductase, the rate-limiting step in cholesterol synthesis. At the same time, a reciprocal stimulation of cholesterol ester synthesis takes place. Mutations in this gene cause the autosomal dominant disorder, familial hypercholesterolemia. Alternate splicing results in multiple transcript variants.

Immunogen: Synthetic peptide of human LDLR

**Applications:** ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 5000-10000

Host Species: Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse, Rat

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

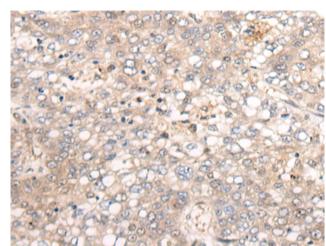
glycerol

Research Areas: Metabolism, Signal Transduction, Cancer, Cardiovascular Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

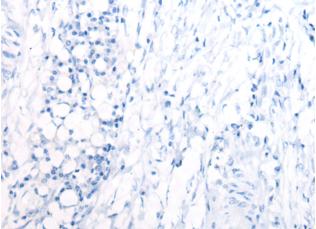


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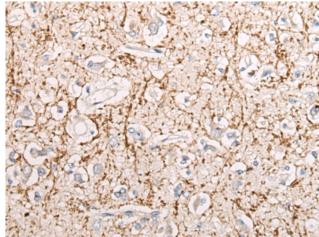
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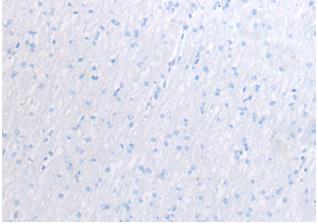
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 215047(LDLR Antibody) at a dilution of 1/40(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 215047(Anti-LDLR Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of paraffinembedded Human brain tissue using 215047(Anti-LDLR Antibody) at a dilution of 1/40.



In comparision with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with synthetic peptide and then with D162802(Anti-LDLR Antibody) at dilution 1/40.