DATASHEET

LDL Receptor Rabbit Monoclonal Antibody(ARB613)

CAT. NO. ARB6907

KEY FEATURES

Target	LDL Receptor	**Clonality**	Monoclonal
Clone ID	ARB613	**Applications**	IHC
Source / Host	Rabbit	**Dilution**	1:100-1:200
Reactivity	Human	**Storage**	at-20°C

BACKGROUND

The LDL receptor is a transmembrane glycoprotein located on the cell surface. It specifically binds to lipoprotein particles containing ApoB-100 or ApoE, mediates their clathrin-dependent endocytosis and subsequent lysosomal degradation, thereby regulating intracellular cholesterol homeostasis and maintaining the balance of plasma cholesterol levels. LDL receptor is primarily enriched in the placenta, liver and adrenal glands, and is differentially expressed in malignant tumors. In clinical diagnosis, the expression level and genetic variations of LDL receptor serve as the gold standard diagnostic criteria for familial hypercholesterolemia. Furthermore, their association with tumor progression and pathological links to Alzheimer's disease provide new avenues for the diagnosis and treatment of related conditions.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Predicted Molecular Wt	95kDa
Purity	ProA affinity purified IgG
Subcellular location	Membrane/Cytoplasm/Granule
Swissprot ID	P01130
Immunogen	The synthetic peptide corresponding to Human LDL receptor aa 811-860.
Storage Buffer	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Recommended method	Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.
Alternative Names	Low-density lipoprotein receptor; FH; FHC; LDLCQ2
Gene Symbol	LDLR
Entrez Gene	3949

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

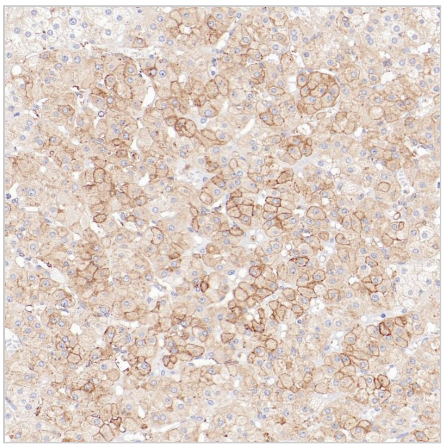
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA



Immunohistochemical staining of human adrenal gland tissue sections using LDL Receptor Rabbit Monoclonal Antibody (ARB613).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com