PAB107Hu71
Biotin-Linked Antibody to Low Density Lipoprotein (LDL)
Organism Species: Homo sapiens (Human)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: LDL
Clonality: Polyclonal
Conjugation: Biotin
Host: Rabbit
Immunoglobulin Type: IgG
Purification: Affinity Chromatography.
Applications: WB, ICC, IHC-P, IHC-F, ELISA
Concentration: 200μg/mL
UOM: 100μg

[IMMUNOGEN INFORMATION]

Immunogen: Native Protein LDL.
Accession No.: NPB107Hu01

[RELEVANCE]

Low-density lipoprotein (LDL) is one of the five major groups of lipoproteins, which, in order of molecular size, largest to smallest, are chylomicrons, very low-density lipoprotein (VLDL), intermediate-density lipoprotein (IDL), LDL, and high-density lipoprotein (HDL). Blood tests typically report LDL-C, the amount of cholesterol contained in LDL. In clinical context, mathematically calculated estimates of LDL-C are commonly used to estimate how much low density lipoproteins are driving progression of atherosclerosis. Each native LDL particle enables emulsification, i.e. surrounding/packaging all fatty acids being carried, enabling these fats to move around the body within the water outside cells.

[ANTIBODY SPECIFITY]

The antibody is a rabbit polyclonal antibody raised against LDL. It has been selected for its ability to recognize LDL in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:50-400
Immunocytochemistry in formalin fixed cells: 1:50-500
Immunohistochemistry in formalin fixed frozen section: 1:50-500
Immunohistochemistry in paraffin section: 1:10-100
Enzyme-linked Immunosorbent Assay: 1:100-200
Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN_3, 50% glycerol.

[STORAGE]

Store at 4^{o}C for frequent use. Stored at -20^{o}C to -80^{o}C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.