

**LDLR Antibody (monoclonal) (M01)**  
**Mouse monoclonal antibody raised against a partial recombinant LDLR.**  
**Catalog # AT2690a**

**Specification**

**LDLR Antibody (monoclonal) (M01) - Product Information**

Application	WB, E
Primary Accession	<a href="#">P01130</a>
Other Accession	<a href="#">NM_000527</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	95376

**LDLR Antibody (monoclonal) (M01) - Additional Information**

**Gene ID** 3949

**Other Names**

Low-density lipoprotein receptor, LDL receptor, LDLR

**Target/Specificity**

LDLR (NP\_000518, 105 a.a. ~ 205 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

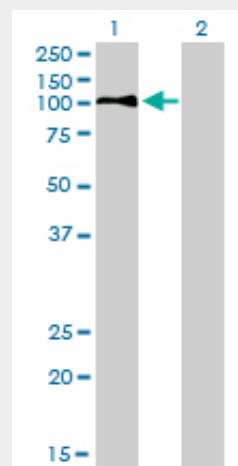
**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

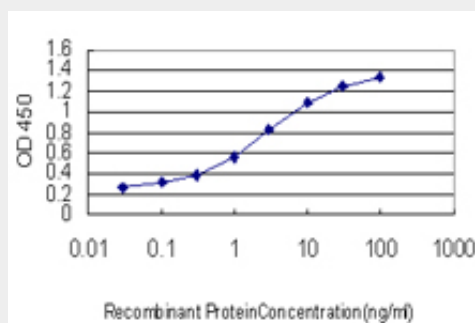
LDLR Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

**LDLR Antibody (monoclonal) (M01) - Protocols**



Western Blot analysis of LDLR expression in transfected 293T cell line by LDLR monoclonal antibody (M01), clone 5E7.

Lane 1: LDLR transfected lysate(94.6 KDa).  
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged LDLR is approximately 0.3ng/ml as a capture antibody.

**LDLR Antibody (monoclonal) (M01) - 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

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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.

#### **LDLR Antibody (monoclonal) (M01) - References**

1.The expression of LDL receptor in vessels with blood-brain barrier impairment in a stroke-prone hypertensive model.Ueno M, Wu B, Nakagawa T, Nagai Y, Onodera M, Huang CL, Kusaka T, Kanenishi K, Sakamoto H.Histochem Cell Biol. 2010 Jun;133(6):669-76. Epub 2010 May 11.