Datasheet for ABIN561655

anti-LDLR antibody (AA 105-205)

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Overview

Quantity:	100 µg
Target:	LDLR
Binding Specificity:	AA 105-205
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LDLR antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant LDLR.
Immunogen:	LDLR (NP_000518, 105 a.a. ~ 205 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	PPKTCSQDEF RCHDGKCISR QFVCDSDRDC LDGSDEASCP VLTCGPASFQ CNSSTCIPQL WACDNDPDCE DGSDEWPQRC RGLYVFQGDS SPCSAFEFHC L
Clone:	5E7
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	LDLR
Alternative Name:	LDLR (LDLR Products)
Background:	Full Gene Name: low density lipoprotein receptor Synonyms: FH,FHC
Gene ID:	3949
NCBI Accession:	NM_000527
Pathways:	Hepatitis C, Lipid Metabolism

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Ueno, Wu, Nakagawa, Nagai, Onodera, Huang, Kusaka, Kanenishi, Sakamoto: "The expression of LDL receptor in vessels with blood-brain barrier impairment in a stroke-prone hypertensive model." in: **Histochemistry and cell biology**, Vol. 133, Issue 6, pp. 669-76, (2010) (PubMed).

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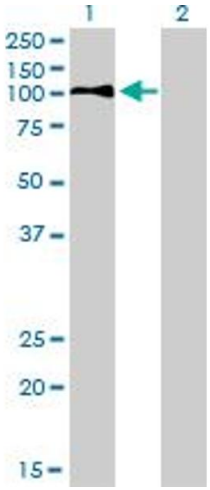
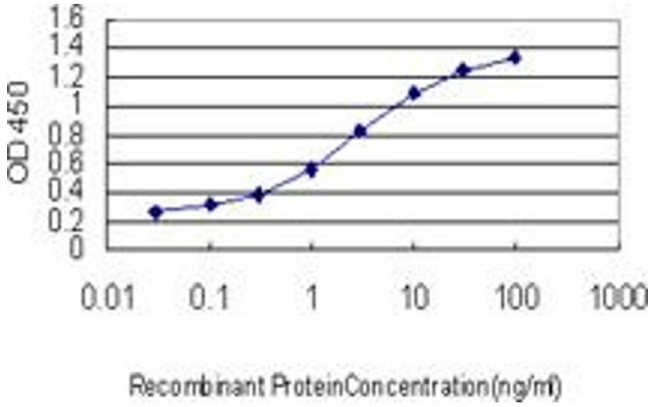


Western Blotting

Image 1. 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.



ELISA

Image 2. Detection limit for recombinant GST tagged LDLR is approximately 0.3ng/ml as a capture antibody.