

Product Datasheet

LDL Receptor Antibody (orb1906385)

Description

LDL Receptor Antibody

Species/Host	Mouse
Reactivity	Bovine, Human
Conjugation	Unconjugated
Tested Applications	FC, IF, IP, NeA, WB
Immunogen	The original antibody was produced by immunization of BALB/C mice with the extra cellular domain of the bovine LDL-R.
Target	LDL Receptor
Preservatives	PBS with 0.02% Proclin 300.
Concentration	1 mg/ml
Storage	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.
Note	For research use only
Application notes	The antibody (IgG2b) was employed for the staining of the LDL receptor in normal fibroblast. The antibody competed with LDL for binding to the LDL receptor of intact fibroblast; complete inhibition was achieved at 37 C but not at 4 C (Beisiegel et al., 1981; PMID: 6271765). The antibody detected LDL receptor from human fibroblasts and bovine adrenal cortex by western blot analysis (Beisiegel et al., 1982; PMID: 6290495). The LDL receptor was immunoprecipitated using this antibody (Davis et al., 1987; PMID: 3494949). This antibody was used for detection of LDL receptor expressed on Chang and CHO cells by flow cytometry (Holst et al., 2001; PMID: 11781697) (Ranheim et al., 2006; PMID: 16740646). Immunofluorescence was performed on liver Chang cells using this antibody, showing that the WT protein was localised on the cell surface whereas the two mutant proteins were localised intracellularly (Holst et al., 2001; PMID: 11781697). The antibody was used to inhibit the binding of LDL to its receptor LDLR in brain capillary endothelial cells. Coincubations of LDL with increasing concentrations of the antibody decreased the rate of passage of the LDL through the monolayer; LDL transcytosis was totally

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Isotype

IgG