

Recombinant

DGRmAb®

Apolipoprotein E (DGR14977) Rabbit mAb

db15177

Package : 10µL 20µL 50µL 100µL

Product Name : Apolipoprotein E (DGR14977) Rabbit mAb**Cat.No.:** db15177**Synonyms** : AD2; LPG; APO-E; ApoE4; LDLCQ5**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

The protein encoded by this gene is a major apoprotein of the chylomicron. It binds to a specific liver and peripheral cell receptor, and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. This gene maps to chromosome 19 in a cluster with the related apolipoprotein C1 and C2 genes. Mutations in this gene result in familial dysbetalipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants. [provided by RefSeq, Jun 2016]

Immunogen

A synthetic peptide of mouse Apolipoprotein E

Gene ID

348

Swiss Prot

P08226

Synonyms

AD2; LPG; APO-E; ApoE4; LDLCQ5

Reactivity

Human,Mouse,Rat

Application

WB, IHC-P, ICC/IF, FC, IP

Recommended dilutionWB: 1:1000
IHC-P: 1:500-1:5000
ICC/IF: 1:200-1:500
FC: 1:50-1:100
IP: 1:20-1:50**Calculated MW**

36 kDa

Observed MW

36 kDa

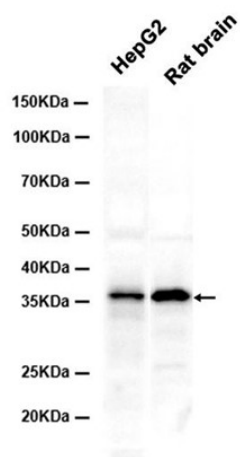
Host species

Rabbit

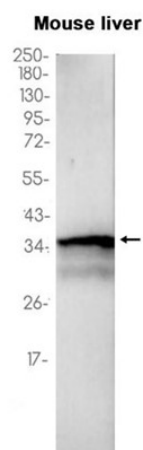
Clonality

Monoclonal

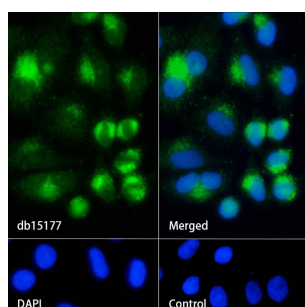
Clonality No.	DGR14977
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HepG2 cells and Rat brain tissue using db15177 at 1:1000.



Western blot analysis of extracts from Mouse liver tissue using db15177 at 1:1000.



Immunofluorescence analysis of HepG2 cells labelling Apolipoprotein E with db15177.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db15177 (1:200) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 ([db10005](#), shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.