Recombinant DGRmAb®

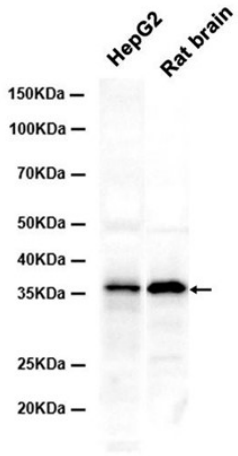
Apolipoprotein E (DGR14977) Rabbit mAb

db15177 **Package : 10μL 20μL 50μL 100μL**

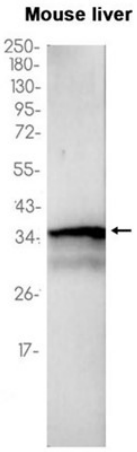
Product Name : Apolipoprotein E (DGR14977) Rabbit mAb
Cat.No.: db15177
Synonyms : AD2; LPG; APO-E; ApoE4; LDLCQ5
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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 dilution	WB: 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

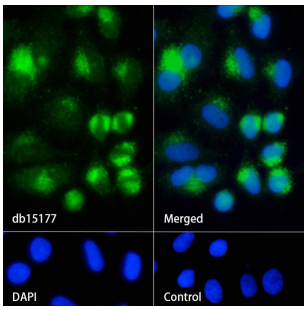
Clonality No.	DGR14977
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



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.