Recombinant DGRmAb®

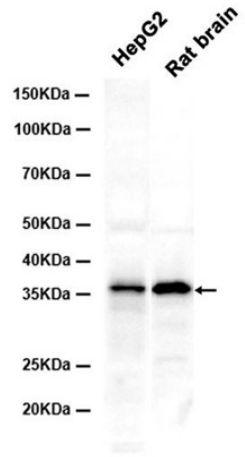
Apolipoprotein E (DGR14977) Rabbit mAb (PBS Only)

db15177-PBS **Package : 10μg 100μg**

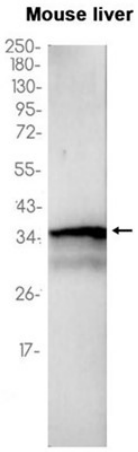
Product Name : Apolipoprotein E (DGR14977) Rabbit mAb (PBS Only)
Cat.No.: db15177-PBS
Synonyms : AD2; LPG; APO-E; ApoE4; LDLCQ5
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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
Calculated MW	36 kDa
Observed MW	36 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR14977
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated

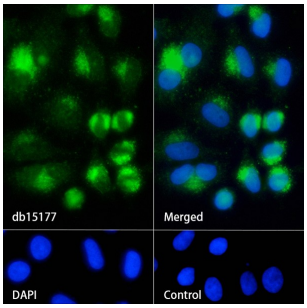
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



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.