Recombinant DGRmAb®

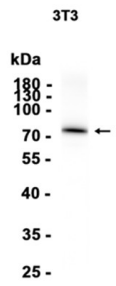
ABCD1 (DGR12692) Rabbit mAb

db15740 **Package : 10μL 20μL 50μL 100μL**

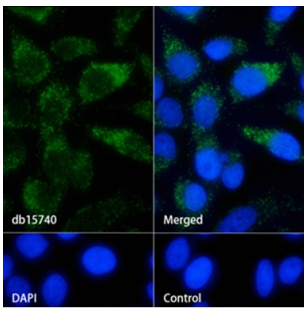
Product Name : ABCD1 (DGR12692) Rabbit mAb
Cat.No.: db15740
Synonyms : ALD; AMN; ALDP; ABC42
Application : WB, ICC/IF, FC
Reactivity : Human, Mouse, Rat
Host species : Rabbit

Background	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ALD subfamily, which is involved in peroxisomal import of fatty acids and/or fatty acyl-CoAs in the organelle. All known peroxisomal ABC transporters are half transporters which require a partner half transporter molecule to form a functional homodimeric or heterodimeric transporter. This peroxisomal membrane protein is likely involved in the peroxisomal transport or catabolism of very long chain fatty acids. Defects in this gene have been identified as the underlying cause of adrenoleukodystrophy, an X-chromosome recessively inherited demyelinating disorder of the nervous system. [provided by RefSeq, Jul 2008]
Immunogen	Recombinant protein of human ABCD1
Gene ID	215
Swiss Prot	P33897
Synonyms	ALD; AMN; ALDP; ABC42
Reactivity	Human, Mouse, Rat
Application	WB, ICC/IF, FC
Recommended dilution	WB: 1:2000 ICC/IF: 1:100 FC: 1:20
Calculated MW	83 kDa
Observed MW	83 kDa
Host species	Rabbit

Clonality	Monoclonal
Clonality No.	DGR12692
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 3T3 cells using db15740 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling ABCD1 with db15740.

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 db15740 (1:100) 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.