

Recombinant

DGRmAb®

ABCD1 (DGR12692) Rabbit mAb (PBS Only)

db15740-PBS

Package : 100µg

Product Name : ABCD1 (DGR12692) Rabbit mAb (PBS Only)**Cat.No.:** db15740-PBS**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

Calculated MW

83 kDa

Observed MW

83 kDa

Host species

Rabbit

Clonality

Monoclonal

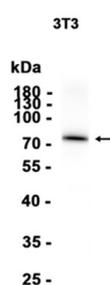
Clonality No.

DGR12692

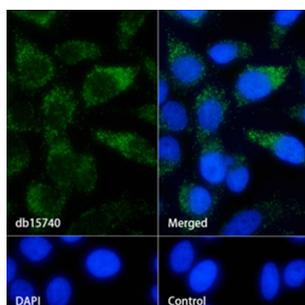
Isotype

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 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.