

Recombinant

DGRmAb®

**FACL4 (DGR33206) Rabbit mAb (PBS Only)**

db14837-PBS

Package : 100µg

**Product Name :** FACL4 (DGR33206) Rabbit mAb (PBS Only)**Cat.No.:** db14837-PBS**Synonyms :** ACSL4; ACS4; FACL4; LACS4; MRX63; MRX68**Application :** WB, IHC-P, ICC/IF, FC, IP**Reactivity :** Human,Mouse**Host species :** Rabbit**Background**

The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme preferentially utilizes arachidonate as substrate. The absence of this enzyme may contribute to the cognitive disability or Alport syndrome. Alternative splicing of this gene generates multiple transcript variants. [provided by RefSeq, Jan 2016]

**Immunogen**

Recombinant protein of human FACL4

**Gene ID**

2182

**Swiss Prot**

O60488

**Synonyms**

ACSL4; ACS4; FACL4; LACS4; MRX63; MRX68

**Reactivity**

Human,Mouse

**Application**

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

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

79 kDa

**Observed MW**

79 kDa

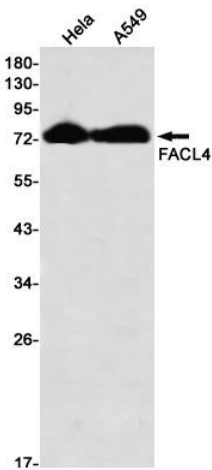
**Host species**

Rabbit

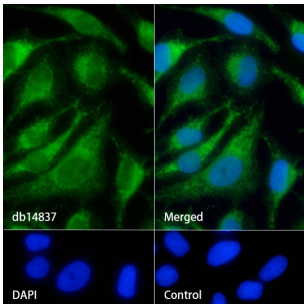
**Clonality**

Monoclonal

Clonality No.	DGR33206
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 detection of FACL4 in HeLa,A549 using [db14837](#)(1:1000 diluted)



Immunofluorescence analysis of HeLa cells labelling FACL4 with [db14837](#).

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 [db14837](#) (1:50) 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.