

Recombinant

DGRmAb®

FACL4 (DGR14048) Rabbit mAb (PBS Only)

db13350-PBS

Package : 10µg 100µg

Product Name : FACL4 (DGR14048) Rabbit mAb (PBS Only)**Cat.No.:** db13350-PBS**Synonyms** : ACSL4; ACS4; FACL4; LACS4; MRX63; MRX68**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human,Mouse,Rat**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

A synthetic peptide of human FACL4

Gene ID

2182

Swiss Prot

O60488

Synonyms

ACSL4; ACS4; FACL4; LACS4; MRX63; MRX68

Reactivity

Human,Mouse,Rat

Application

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

Calculated MW

79 kDa

Observed MW

79 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR14048

Isotype

IgG

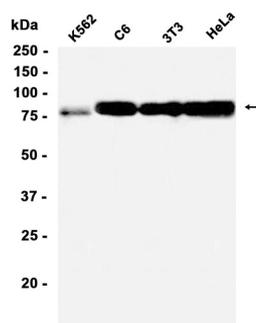
Purity

Affinity Purification

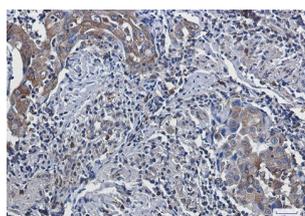
Conjugation

Un-conjugated

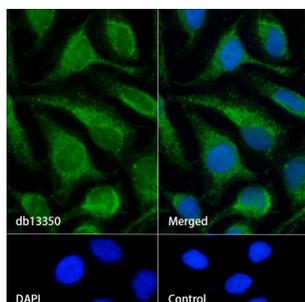
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from K562, C6, 3T3, HeLa cells using [db13350](#) at 1:1000.



Immunohistochemical analysis of paraffin-embedded human lung cancer using [db13350](#) antibody.



Immunofluorescence analysis of HeLa cells labelling FACL4 with [db13350](#).

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 [db13350](#) (1:100) at room temperature 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.