

Recombinant**DGRmAb®****FACL4 (DGR14048) Rabbit mAb****db13350****Package : 10µL 20µL 50µL 100µL****Product Name :** FACL4 (DGR14048) Rabbit mAb**Cat.No.:** db13350**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

Recommended dilution

WB: 1:2000-1:20000

IHC-P: 1:100-1:200

ICC/IF: 1:100-1:200

FC: 1:10-1:100

IP: 1:10-1:100

Calculated MW

79 kDa

Observed MW

79 kDa

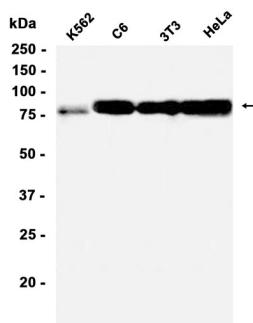
Host species

Rabbit

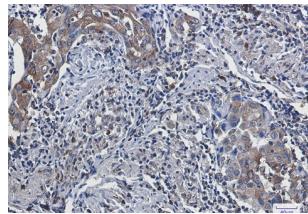
Clonality

Monoclonal

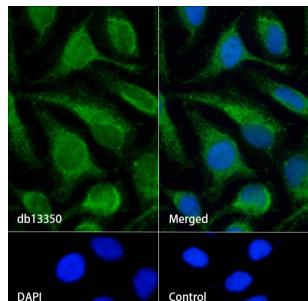
Clonality No.	DGR14048
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from 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 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.