

ARG63483 anti-ACSL4 / FAACL4 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ACSL4 / FAACL4
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	FACS, ICC/IF, IHC-P, WB
Specificity	This antibody is expected to recognise isoform 1 (NP_004449.1) and isoform 2 (NP_075266.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ACSL4 / FAACL4
Species	Human
Immunogen	C-HYLKDIERYGGK
Conjugation	Un-conjugated
Alternate Names	Long-chain-fatty-acid--CoA ligase 4; ACS4; MRX68; Long-chain acyl-CoA synthetase 4; EC 6.2.1.3; FAACL4; LACS4; LACS 4; MRX63

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	ICC/IF	10 µg/ml
	IHC-P	3 - 5 µg/ml
	WB	0.1 - 0.3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

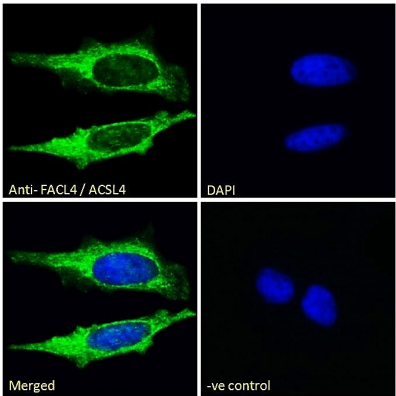
Database links	GeneID: 2182 Human Swiss-port # O60488 Human
Background	The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert 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 mental retardation or Alport syndrome. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq, Jul 2008]
Research Area	Metabolism antibody; Signaling Transduction antibody
Calculated Mw	79 kDa

Images



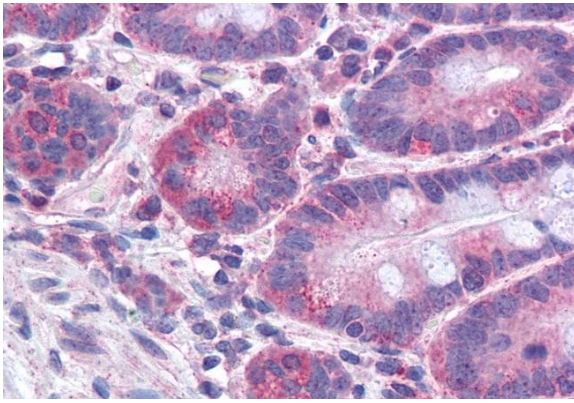
ARG63483 anti-ACSL4 / FACL4 antibody WB image

Western blot: HepG2 lysate (35 µg protein in RIPA buffer) stained with ARG63483 anti-ACSL4 / FACL4 antibody at 0.1 µg/ml dilution.



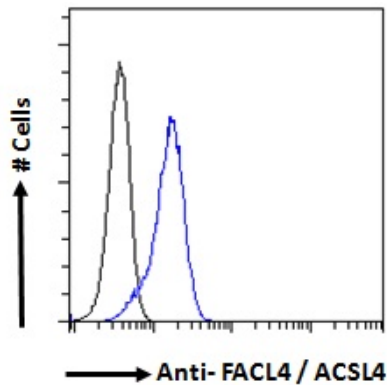
ARG63483 anti-ACSL4 / FACL4 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG63483 anti-ACSL4 / FACL4 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



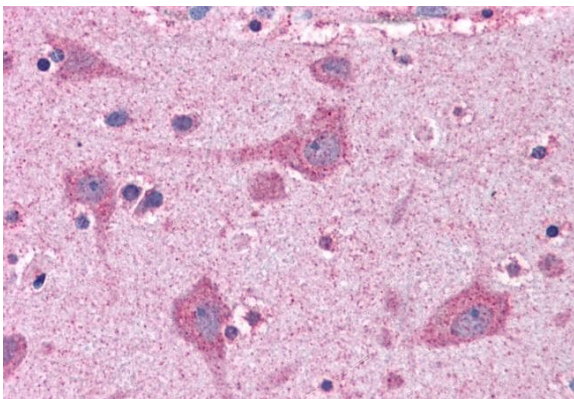
ARG63483 anti-ACSL4 / FACL4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human small intestine tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63483 anti-ACSL4 / FACL4 antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG63483 anti-ACSL4 / FACL4 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HeLa cells permeabilized with 0.5% Triton. Cells were stained with ARG63483 anti-ACSL4 / FACL4 antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).



ARG63483 anti-ACSL4 / FACL4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human cortex tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63483 anti-ACSL4 / FACL4 antibody at 3.75 µg/ml dilution followed by AP-staining.