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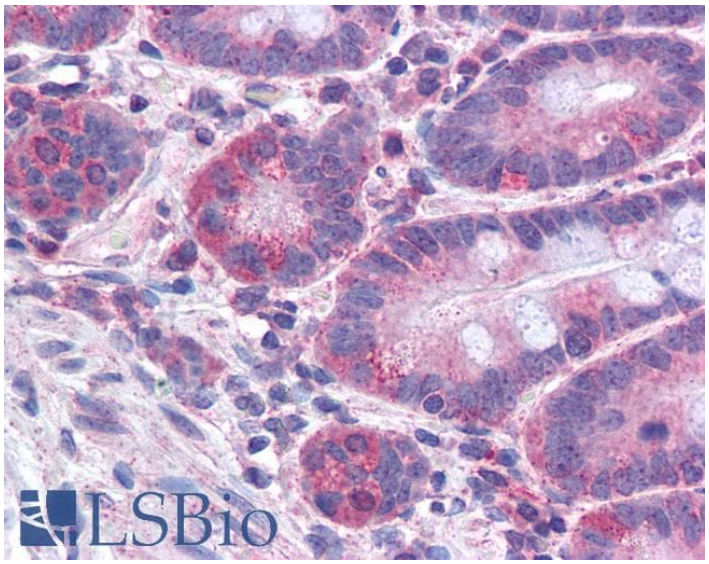
GOAT ANTI-FACL4 / ACSL4 ANTIBODY

SKU: EB05662



SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	long-chain fatty-acid-Coenzyme A ligase 4|acyl-CoA synthetase 4|MRX68|LACS4|MRX63|Fatty acid coenzyme A ligase, long-chain 4|lignoceroyl-CoA synthase|LACS 4|ACS4|fatty-acid-Coenzyme A ligase, long-chain 4|FACL4|acyl-CoA synthetase long-chain family member 4|ACSL4
Usage Summary	Immunofluorescence: Strong expression of the protein seen in the Golgi and Endoplasmic reticulum of HeLa cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml. Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.
Accession ID	NP_004449.1; NP_075266.1
Blocking Peptide	EBP05662
Immunogen	Peptide with sequence C-HYLKDIERMYGGK, from the C Terminus of the protein sequence according to NP_004449.1; NP_075266.1.
Product Comments	This antibody is expected to recognise isoform 1 (NP_004449.1) and isoform 2 (NP_075266.1).

Peptide Sequence	C-HYLKDIERMYGGK
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Dog, Pig, Cow
Reactive Species	Human
Human Gene ID	2182
Mouse Gene ID	50790
Rat Gene ID	113976
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png
IHC Results	Paraffin embedded Human Small Intestine and Brain (Cortex). Recommended concentration: 3.75µg/ml.
ELISA Detection Limit	Antibody detection limit dilution 1:128000.
Western Blot	Approx 80-85kDa band observed in lysates of cell line HepG2 and approx 75kDa in preliminary testing of Human Adipose lysate (calculated MW of 79.2kDa according to NP_075266.1 and 74.4kDa according to NP_004449.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.
Application Type	Pep-ELISA, WB, IHC, IF, FC

SELECTED REFERENCES

[{"pmid": 30377371, "intro": "**This antibody has been successfully used in the following paper:**", "title": "A high-throughput pipeline for validation of antibodies", "author": "Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen", "journal": "Nat Methods. 2018 Nov;15(11):909-912"}]

DOCUMENTS

- Data Sheet

GALLERY IMAGES

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