

Product Datasheet

ACSL3 Antibody - Azide and BSA Free H00002181-B01P

Unit Size: 50 ug

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00002181-B01P

ACSL3 Antibody - Azide and BSA Free

Product Information	
Unit Size	50 ug
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Protein G purified
Buffer	PBS (pH 7.4)

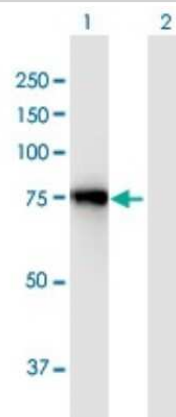
Product Description	
Description	Quality control test: Antibody reactive against mammalian transfected lysate.
Host	Mouse
Gene ID	2181
Gene Symbol	ACSL3
Species	Human, Monkey
Immunogen	ACSL3 (NP_004448.2, 1 a.a. - 720 a.a.) full-length human protein. MNNHVSSKPSTMKLKHTINPILLYFIHFLISLYTILTYIPFYFFSESRQEKSNRKAK PVNSKPD SAYRSVNSLDGLASVLYPGCDTLDKVFTYAKNKFKNKRLGTVREVL NEEDEVPNGKIFKKVILGQYNWLSYEDVFVRAFNGNGLQMLGQKPKTNIAIF CETRAEWMIAAQACFMYNFQLVTLYATLGGPAIVHALNETEVTNIITSKELLQTK LKDIVSLVPRLRHIIITVDGKPPTWSEFPKGIIVHTMAAVEALGAKASMENQPHSK PLPSDIAVIMYTSGSTGLPKGVMISHSNIAGITGMAERPELGEEDVYIGYPLAH VLELSAELVCLSHGCRIGYSSPQTLADQSSKIKKGSKGDTSMKPTLMAAVPEI MDRIYKNVMNKVSEMSSFQRNLFILAYNYKMEQISKGRNTPCDSFVFRKVRSL LGGNIRLLLCGGAPLSATTQRFMNICFCCPVGQGYGLTESAGAGTISEVWDYN TGRVGAPLVCCEIKLNWEEGGYFNTDKPHPRGEILIGGQSVTMGYKNEAKT KADFFEDENGQRWLCTGDIGEFEPDGCLKIIDRKKDLVKLQAGEYVSLGKVEA ALKNLPLVDNICAYANSYHSYVIGFVVPNQKELTELARKKGLKGTWEELCNSCE MENEVLKVLSEAAISASLEKFEIPVKIRLSPEPWTPETGLVTD AFKLKRKELKTH YQADIERMYGRK
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot, Immunocytochemistry/ Immunofluorescence

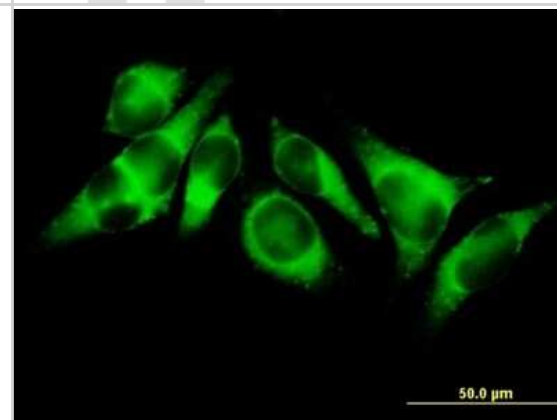


Images

Western Blot: ACSL3 Antibody [H00002181-B01P] - Western Blot analysis of ACSL3 expression in transfected 293T cell line by ACSL3 MaxPab polyclonal antibody. Lane 1: ACSL3 transfected lysate (79.2 KDa). Lane 2: Non-transfected lysate.



Immunocytochemistry/Immunofluorescence: ACSL3 Antibody [H00002181-B01P] - Analysis of purified antibody to ACSL3 on HeLa cell. (antibody concentration 10 ug/ml)



Publications

Soltysik K, Ohsaki Y, Tatematsu T et al. Nuclear lipid droplets form in the inner nuclear membrane in a seipin-independent manner *The Journal of cell biology* 2021-01-04 [PMID: 33315072]

Salo V, Li S, Vihinen H et al. Seipin Facilitates Triglyceride Flow to Lipid Droplet and Counteracts Droplet Ripening via Endoplasmic Reticulum Contact. *Dev Cell*. 2019-06-06 [PMID: 31178403]

Jung H, Shimizu-Albergine M, Shen X et al. TNF- α induces acyl-CoA synthetase 3 to promote lipid droplet formation in human endothelial cells. *J Lipid Res*. 2019-11-13 [PMID: 31722970]

Datta S, Liu Y, Hariri H et al. Cerebellar ataxia disease-associated Snx14 promotes lipid droplet growth at ER-droplet contacts *J. Cell Biol*. 2019-02-14 [PMID: 30765438] (ICC/IF, Human)

Poppelreuther M, Sander S, Minden F et al. The metabolic capacity of lipid droplet localized acyl-CoA synthetase 3 is not sufficient to support local triglyceride synthesis independent of the endoplasmic reticulum in A431 cells. *Biochim Biophys Acta Mol Cell Biol Lipids* 2018-06-01 [PMID: 29526665] (Human)

Kassan A, Herms A, Fernandez-Vidal A et al. Acyl-CoA synthetase 3 promotes lipid droplet biogenesis in ER microdomains. *J Cell Biol*. 2013-12-23 [PMID: 24368806]

Weedon-Fekjaer MS, Dalen KT, Solaas K et al. Activation of LXR increases acyl-CoA synthetase activity through direct regulation of ACSL3 in human placental trophoblast cells. [PMID: 20219900]



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Products Related to H00002181-B01P

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97019-5mg	Mouse IgG Isotype Control
H00002181-Q01-10ug	Recombinant Human ACSL3 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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