


Product datasheet

Anti-ACSL3 antibody ab80675

3 Images

Overview

Product name	Anti-ACSL3 antibody
Description	Rabbit polyclonal to ACSL3
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Cat, Dog, Pig, Orangutan 
Immunogen	Synthetic peptide corresponding to Human ACSL3 aa 74-123 (N terminal). Sequence: LDGLASVLYPGCDTLDKVFYAKNKFKNKRLGTTREVLNNEEDEVQPNGKI Run BLAST with Run BLAST with
Positive control	293T cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab80675** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/200.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 80 kDa (predicted molecular weight: 80 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

Function

Acyl-CoA synthetases (ACSL) activates long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. ACSL3 mediates hepatic lipogenesis (By similarity). Preferentially uses myristate, laurate, arachidonate and eicosapentaenoate as substrates (By similarity). Has mainly an anabolic role in energy metabolism. Required for the incorporation of fatty acids into phosphatidylcholine, the major phospholipid located on the surface of VLDL (very low density lipoproteins).

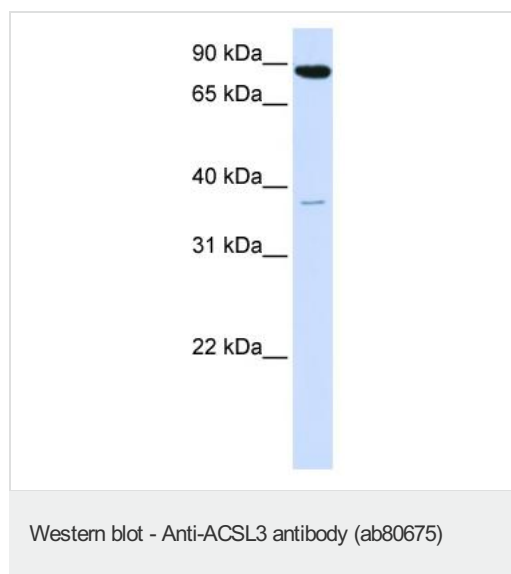
Sequence similarities

Belongs to the ATP-dependent AMP-binding enzyme family.

Cellular localization

Mitochondrion outer membrane. Peroxisome membrane. Microsome membrane. Endoplasmic reticulum membrane.

Images



Anti-ACSL3 antibody (ab80675) at 1 µg/ml +
293T cell lysate at 10 µg

Secondary

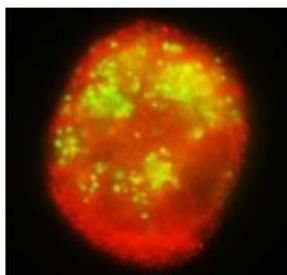
HRP conjugated anti-Rabbit IgG at 1/50000
dilution

Predicted band size: 80 kDa

Observed band size: 80 kDa

Additional bands at: 38 kDa. We are unsure
as to the identity of these extra bands.

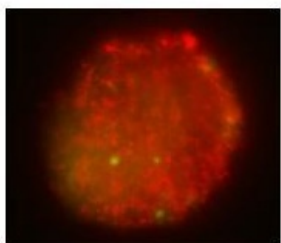
Gel concentration: 12%



Green: ACSL3 Red: Biodipy

Immunocytochemistry/ Immunofluorescence - Anti-ACSL3 antibody (ab80675)

Application: IHC. Species+tissue/cell type:THP-1 derived macrophage activated with iMtb. Primary antibody dilution: 1:200. Secondary antibody: Goat anti-rabbit Alexa Fluor 647. Secondary antibody dilution:1:333



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