

Datasheet for 600-401-EP0**SLC27A6 Antibody****Overview**

Description:	Anti-SLC27A6 (RABBIT) Antibody - 600-401-EP0
Item No.:	600-401-EP0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The solute carrier family 27 (fatty acid transporter), member 6 (SLC27A6) is a member of the fatty acid transport protein family (FATP), which are involved in the uptake of long-chain fatty acids. SLC27A6 is principally expressed in the heart on the sarcolemma and colocalizes with CD36, another molecule involved in the uptake of long chain fatty acids.
Synonyms:	SLC27A6 Antibody, FATP6, ACSVL2, FACVL2, VLCS-H1, FATP1, Long-chain fatty acid transport protein 6, Fatty-acid-coenzyme A ligase, very long-chain 2, FATP-6
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SLC27A6
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SLC27A6 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the N-terminus of human SLC27A6.
Purity/Specificity:	Anti-SLC27A6 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SLC27A6 antibody is predicted to not cross-react with other SLC27 protein family members.

Relevant Links:	• UniProtKB - Q9Y2P4 • GeneID - 28965 • NCBI - NP_054750
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Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-SLC27A6 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry, and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 70 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000-1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

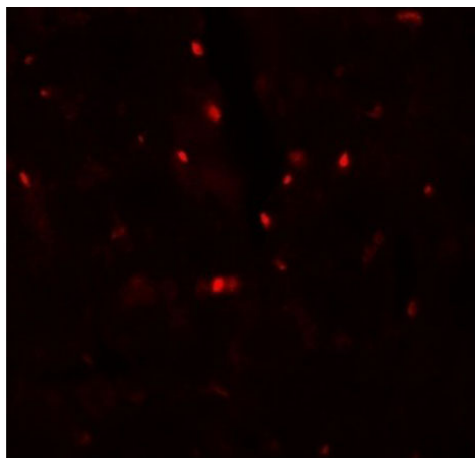
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

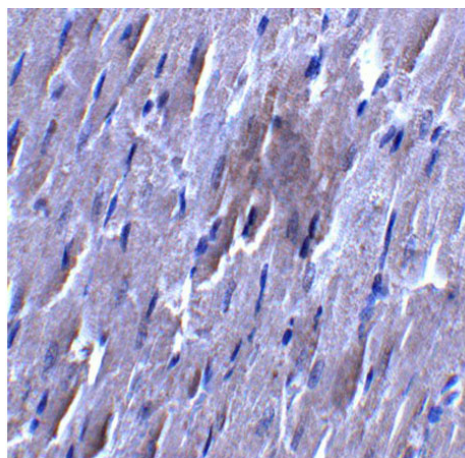


Immunofluorescence Microscopy

Immunofluorescence of SLC27A6.

Tissue: rat heart tissue.

Primary Antibody: SLC27A6 antibody at 20 µg/mL.

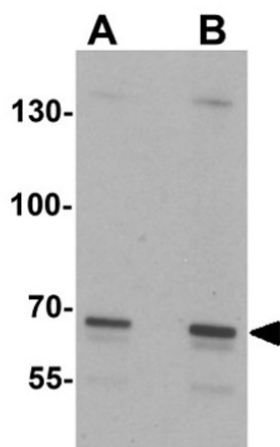


Immunohistochemistry

Immunohistochemistry of SLC27A6.

Tissue: rat heart tissue.

Primary Antibody: SLC27A6 antibody at 5 µg/mL.



Western Blot

Western blot of SLC27A6.

Load: A20 cell lysate.

Primary Antibody: SLC27A6 antibody at (A) 1 and (B) 2 µg/mL.

References

- Nose N et al. Metabolic substrate shift in human induced pluripotent stem cells during cardiac differentiation: functional assessment using in vitro radionuclide uptake assay. *International Journal of Cardiology*. (2018)
- Nose et al. Metabolic substrate shift in human induced pluripotent stem cells during cardiac differentiation: Functional assessment using in vitro radionuclide uptake assay. *International Journal of Cardiology* (2018)

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