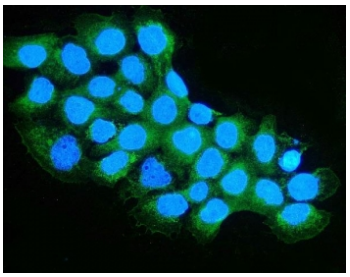
OXCT1 Antibody / SCOT (RQ5747)

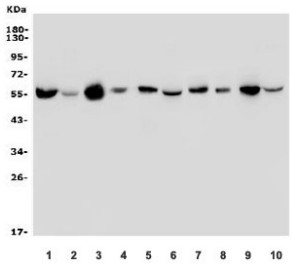
Catalog No.	Formulation	Size
RQ5747	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

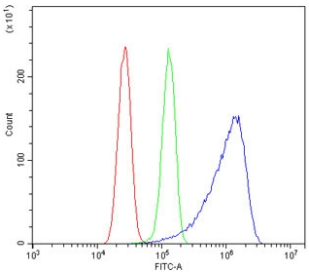
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P55809
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This OXCT1 antibody is available for research use only.



Immunofluorescent staining of FFPE human A431 cells with OXCT1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human HEK293, 3) monkey heart, 4) human placenta, 5) rat heart, 6) rat brain, 7) rat kidney, 8) mouse heart, 9) mouse kidney and 10) mouse ANA-1 lysate with OXCT1 antibody. Predicted molecular weight ~56 kDa.



Flow cytometry testing of human U-2 OS cells with OXCT1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= OXCT1 antibody.

Description

3-oxoacid CoA-transferase 1 (OXCT1) is an enzyme that in humans is encoded by the OXCT1 gene. It is also known as succinyl-CoA-3-oxaloacid CoA transferase (SCOT). This gene encodes a member of the 3-oxoacid CoA-transferase gene family. The encoded protein is a homodimeric mitochondrial matrix enzyme that plays a central role in extrahepatic ketone body catabolism by catalyzing the reversible transfer of coenzyme A from succinyl-CoA to acetoacetate. Mutations in this gene are associated with succinyl CoA:3-oxoacid CoA transferase deficiency.

Application Notes

Optimal dilution of the OXCT1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids S35-A309) was used as the immunogen for the OXCT1 antibody.

Storage

After reconstitution, the OXCT1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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