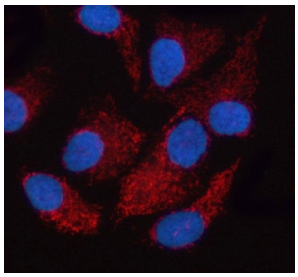
OXCT2 Antibody / SCOT-t (RQ7932)

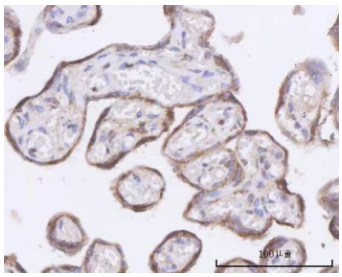
Catalog No.	Formulation	Size
RQ7932	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

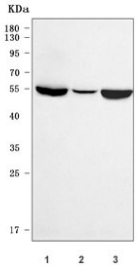
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9BYC2
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This OXCT2 antibody is available for research use only.



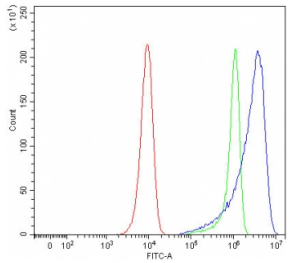
Immunofluorescent staining of FFPE human HeLa cells with OXCT2 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IHC staining of FFPE human placental tissue with OXCT2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HeLa, 2) human Jurkat and 3) mouse testis tissue lysate with OXCT2 antibody. Predicted molecular weight ~56 kDa.



Flow cytometry testing of human HeLa cells with OXCT2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= OXCT2 antibody.

Description

The protein encoded by this gene catalyzes the transfer of a CoA group from succinate to acetoacetate and is an important enzyme in ketone body catabolism. The encoded protein localizes to the mitochondrion. This gene is intronless, and a pseudogene of this gene is located elsewhere on chromosome 1.

Application Notes

Optimal dilution of the OXCT2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R79-P517) was used as the immunogen for the OXCT2 antibody.

Storage

After reconstitution, the OXCT2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.