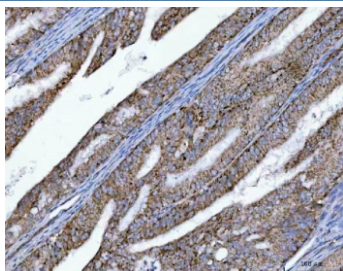


OXSM Antibody / 3 oxoacyl ACP synthase mitochondrial (RQ7933)

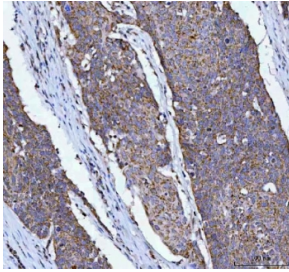
Catalog No.	Formulation	Size
RQ7933	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

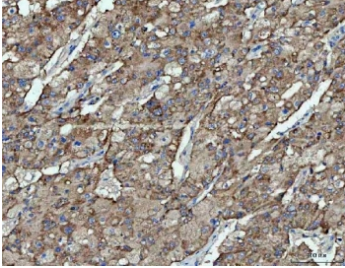
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9NWU1
Localization	Cytoplasmic
Applications	Western 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 OXSM antibody is available for research use only.



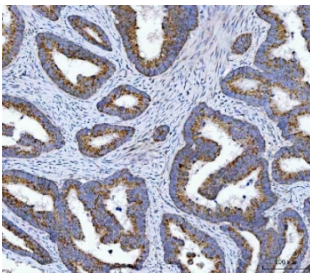
IHC staining of FFPE human endometrial adenocarcinoma tissue with OXSM antibody.
HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



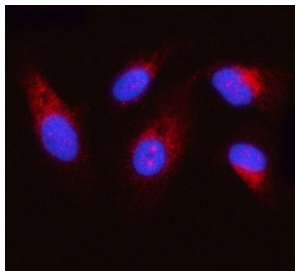
IHC staining of FFPE human esophageal squamous carcinoma tissue with OXSM antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



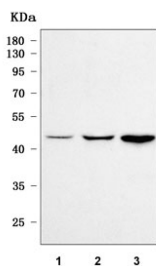
IHC staining of FFPE human liver cancer tissue with OXSM antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



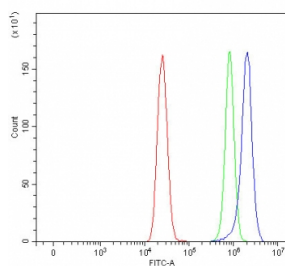
IHC staining of FFPE human colorectal adenocarcinoma tissue with OXSM antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human PC-3 cells with OXSM antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human HepG2 and 3) rat heart tissue lysate with OXSM antibody. Predicted molecular weight ~40/49 kDa (two isoforms).



Flow cytometry testing of human MCF7 cells with OXSM antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= OXSM antibody.

Description

This gene encodes a beta-ketoacyl synthetase. The encoded enzyme is required for elongation of fatty acid chains in the mitochondria. Alternatively spliced transcript variants have been described.

Application Notes

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

Immunogen

E. coli-derived recombinant human protein (amino acids M1-E431) was used as the immunogen for the OXSM antibody.

Storage

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