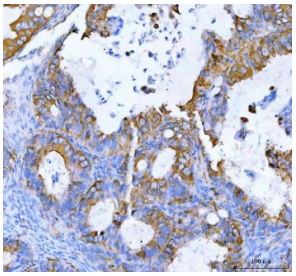
MOGAT2 Antibody / Monoacylglycerol O-acyltransferase 2 (RQ8552)

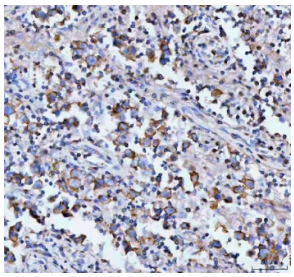
Catalog No.	Formulation	Size
RQ8552	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

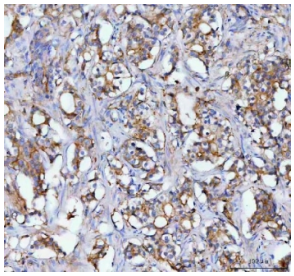
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q3SYC2
Localization	Cytoplasm
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This MOGAT2 antibody is available for research use only.



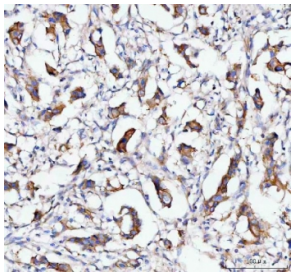
IHC staining of FFPE human ovarian serous adenocarcinoma tissue with MOGAT2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



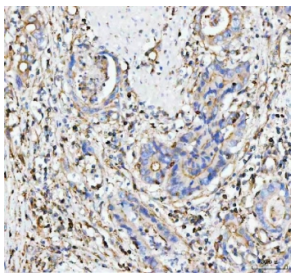
IHC staining of FFPE human testicular germ cell tumor tissue with MOGAT2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



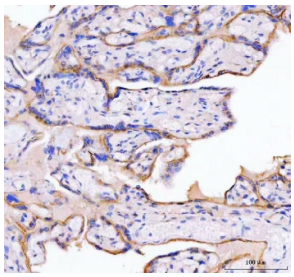
IHC staining of FFPE human prostatic acinar adenocarcinoma tissue with MOGAT2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



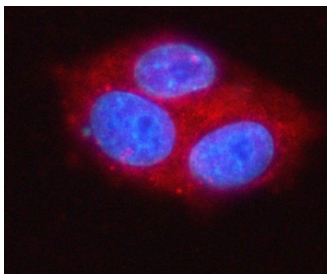
IHC staining of FFPE human breast cancer tissue with MOGAT2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



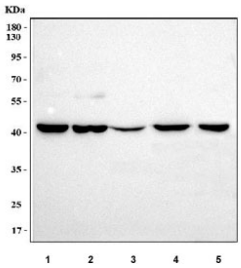
IHC staining of FFPE human rectum adenocarcinoma tissue with MOGAT2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



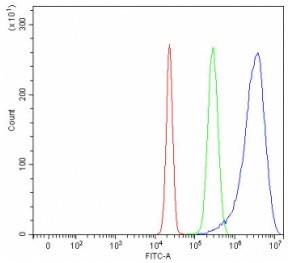
IHC staining of FFPE human placental tissue with MOGAT2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human HepG2 cells with MOGAT2 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HepG2, 2) human 293T, 3) rat liver, 4) rat kidney and 5) mouse kidney tissue lysate with MOGAT2 antibody. Predicted molecular weight ~38 kDa.



Flow cytometry testing of fixed and permeabilized human HepG2 cells with MOGAT2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MOGAT2 antibody.

Description

2-Acylglycerol O-acyltransferase 2 also known as acyl-CoA:monoacylglycerol acyltransferase 2 (MGAT2) or Diacylglycerol O-acyltransferase candidate 5 (DC5) is an enzyme that in humans is encoded by the MOGAT2 gene. The protein encoded by this gene is an enzyme that catalyzes the synthesis of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA. The encoded protein is important in the uptake of dietary fat by the small intestine. This protein forms a complex with diacylglycerol O-acyltransferase 2 in the endoplasmic reticulum, and this complex catalyzes the synthesis of triacylglycerol.

Application Notes

Optimal dilution of the MOGAT2 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids M1-C334) was used as the immunogen for the MOGAT2 antibody.

Storage

After reconstitution, the MOGAT2 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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