

Anti-ACAT2 antibody (159-277) (STJ110176)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

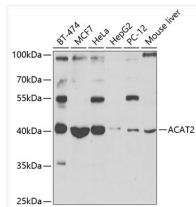
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:2000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 41kDa Observed Mw: 41kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

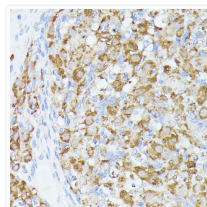
Gene ID	39
Gene Symbol	ACAT2
UniProt ID	THIC_HUMAN
Immunogen Region	159-277
Immunogen Sequence	HMGITAENVAKKWQVSREDQ DKVAVLSQNRTENAQKAGHF DKEIVPLVSTRKGLIEVKT DEFPRHGSNIEAMSKLPYF LTDGTGTVTPANASGINDGA AAVVLMKKSEADKRLTPL
Specificity	A synthetic peptide corresponding to a sequence within amino acids 159-277 of human ACAT2 (NP_005882.2).

ADDITIONAL INFORMATION

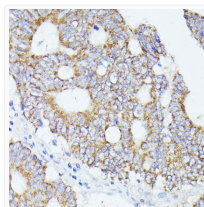
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



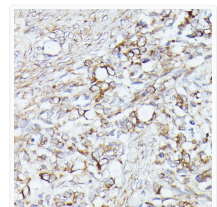
Western blot analysis of various lysates using ACAT2 Rabbit pAb (STJ110176) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit
Exposure time: 90s.



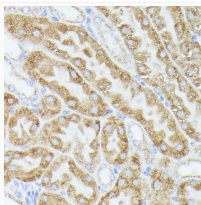
Immunohistochemistry analysis of paraffin-embedded Rat ovary using ACAT2 Rabbit pAb (STJ110176) at dilution of 1:100 (40x lens).
Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to immunohistochemistry staining.



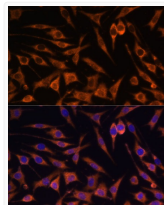
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using ACAT2 Rabbit pAb (STJ110176) at dilution of 1:100 (40x lens).
Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to immunohistochemistry staining.



Immunohistochemistry analysis of paraffin-embedded Human oophoroma using ACAT2 Rabbit pAb (STJ110176) at dilution of 1:100 (40x lens).
Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to immunohistochemistry staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using ACAT2 Rabbit pAb (STJ110176) at dilution of 1:100 (40x lens).
Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to immunohistochemistry staining.



Immunofluorescence analysis of L929 cells using ACAT2 Rabbit pAb (STJ110176) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (STJS001166) at 1:500 dilution. Blue: DAPI for nuclear staining.