

Anti-ACO2 antibody (1-150) [S5MR] (STJ11102095)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

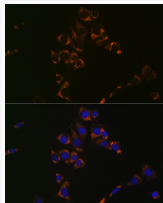
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:6000 IHC-P:1:200-1:800 IF/ICC:1:100-1:400 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 85kDa Observed Mw: 85kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

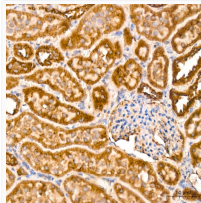
Gene ID	50
Gene Symbol	ACO2
UniProt ID	ACON_HUMAN
Immunogen Region	1-150
Immunogen Sequence	MAPYSLLVTRLQKALGVRQY HVASVLCQRAKVMASHFEPN EYIHYDLLLEKNINIVRKRLN RPLTLSEKIVYGHLLDDPASQ EIERGKSYLRLRPDRVAMQD ATAQMAMLQFISSGLSKVAV PSTIHCDHLIEAQVGGKDL RRAKDINQEV
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-150 of human Aconitase 2 (ACO2) (Q99798).

ADDITIONAL INFORMATION

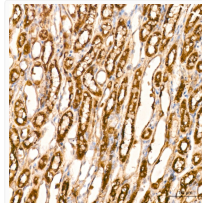
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



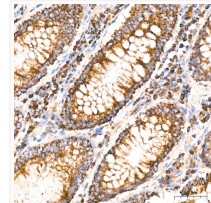
Immunofluorescence analysis of NIH-3T3 cells using Aconitase 2 (ACO2) Rabbit monoclonal antibody (STJ11102095) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



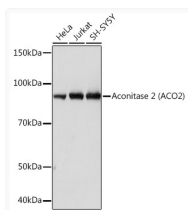
Immunohistochemistry analysis of Aconitase 2 (ACO2) in paraffin-embedded rat kidney tissue using Aconitase 2 (ACO2) Rabbit monoclonal antibody (STJ11102095) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



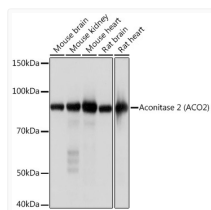
Immunohistochemistry analysis of Aconitase 2 (ACO2) in paraffin-embedded mouse kidney tissue using Aconitase 2 (ACO2) Rabbit monoclonal antibody (STJ11102095) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



Immunohistochemistry analysis of Aconitase 2 (ACO2) in paraffin-embedded human colon tissue using Aconitase 2 (ACO2) Rabbit monoclonal antibody (STJ11102095) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



Western blot analysis of various lysates, using Aconitase 2 (ACO2) Rabbit monoclonal antibody (STJ11102095) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



Western blot analysis of various lysates, using Aconitase 2 (ACO2) Rabbit monoclonal antibody (STJ11102095) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.