

Rabbit Aconitase 2 Monoclonal Antibody | anti-ACO2 antibody

Aconitase 2 Antibody

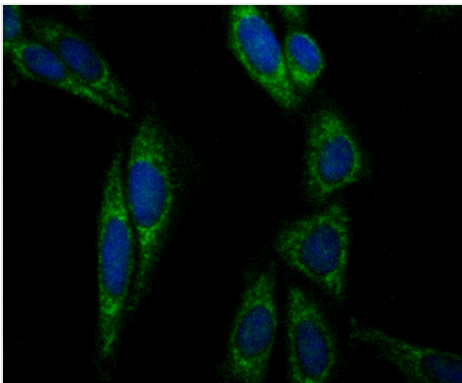
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30526	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Immunoprecipitation

PRODUCT SYNONYMS

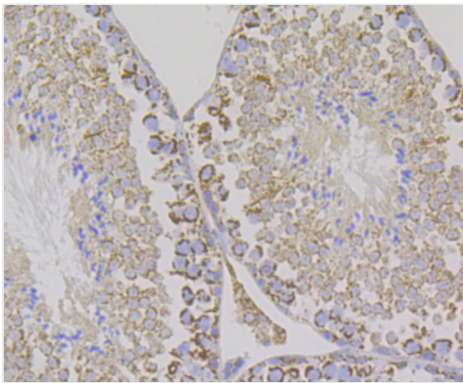
Aconitase 2; Monoclonal Antibody; Aconitase 2 Antibody; ACO 2 antibody; ACO2 antibody; ACON_HUMAN antibody; aconitase 2 antibody; Aconitase 2 mitochondrial antibody; Aconitase antibody; Aconitase2 antibody; Aconitate hydratase antibody; Aconitate hydratase mitochondrial antibody; ACONM antibody; Citrate hydro lyase antibody; Citrate hydro-lyase antibody; ICRD antibody; mitochondrial antibody; anti-ACO2 antibody

PRODUCT SPECIFICATIONS

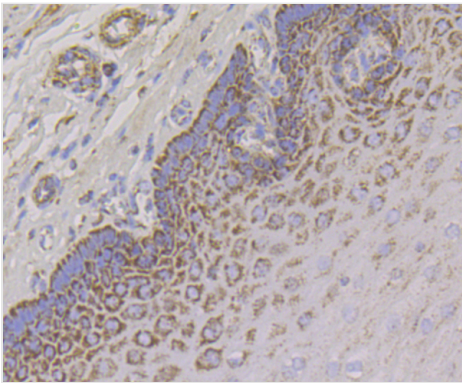
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JE40-83
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-ACO2 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), IP (Immunoprecipitation)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200 IP: 1:10-1:50
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein within human Aconitase 2 aa 1-150.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.



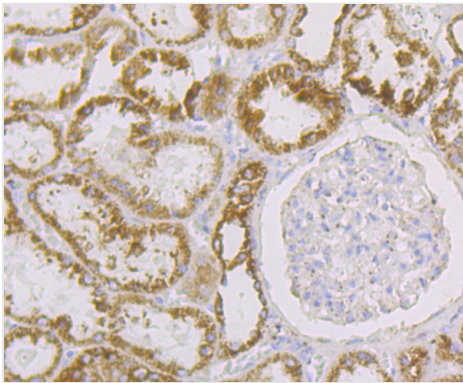
ICC (Immunocytochemistry)
ICC staining Aconitase 2 in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



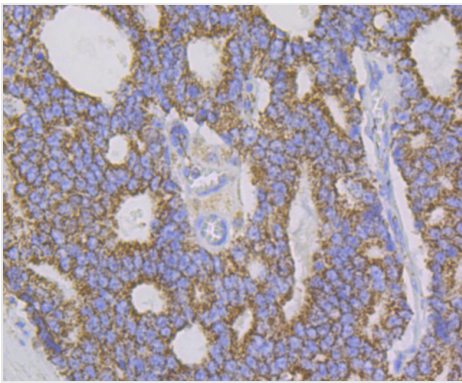
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Aconitase 2 antibody. Counter stained with hematoxylin.



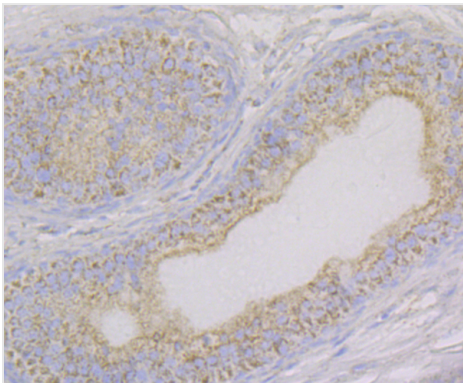
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human esophagus tissue using anti-Aconitase 2 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Aconitase 2 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-Aconitase 2 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded rat epididymis tissue using anti-Aconitase 2 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-ACO2 antibody	Aconitase 2, mitochondrial is a protein that in humans is encoded by the ACO2 gene. The protein encoded by this gene belongs to the aconitase/IPM isomerase family. It is an enzyme that catalyzes the interconversion of citrate to isocitrate via cis-aconitate in the second step of the TCA cycle. This protein is encoded in the nucleus and functions in the mitochondrion. It was found to be one of the mitochondrial matrix proteins that are preferentially degraded by the serine protease 15 (PRSS15), also known as Lon protease, after oxidative modification.
Product Categories/Family for anti-ACO2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	6686275
NCBI GeneID	50
UniProt Accession #	Q99798; O75809; Q5JZ41; Q6FHX0; Q8TAQ6
Molecular Weight	780
NCBI Official Full Name	Aconitate hydratase, mitochondrial
NCBI Official Synonym Full Names	aconitase 2, mitochondrial
NCBI Official Symbol	ACO2
NCBI Official Synonym Symbols	ICRD; ACONM
NCBI Protein Information	aconitate hydratase, mitochondrial; citrate hydro-lyase
UniProt Protein Name	Aconitate hydratase, mitochondrial
UniProt Gene Name	ACO2
UniProt Synonym Gene Names	Aconitase
UniProt Entry Name	ACON_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/aconitase-2-antibody-clone-je40-83-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-immunoprecipitation-elisa/30526>