

Aconitase 2 Rabbit mAb

Catalog No: #49978

Package Size: #49978-1 50ul #49978-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

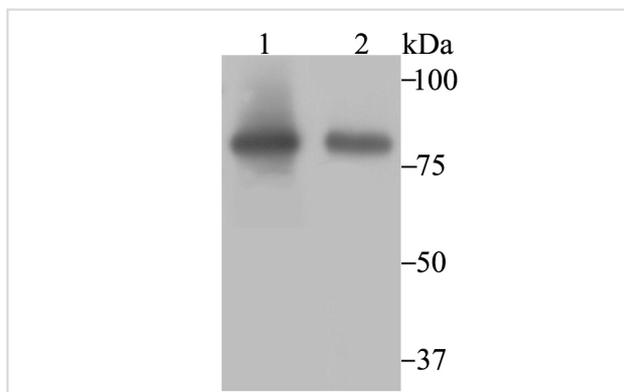
Description

Product Name	Aconitase 2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JE40-83
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC,IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within human Aconitase 2 aa 1-150.
Other Names	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
Accession No.	Swiss-Prot#:Q99798
Uniprot	Q99798
GeneID	50;
Calculated MW	85 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

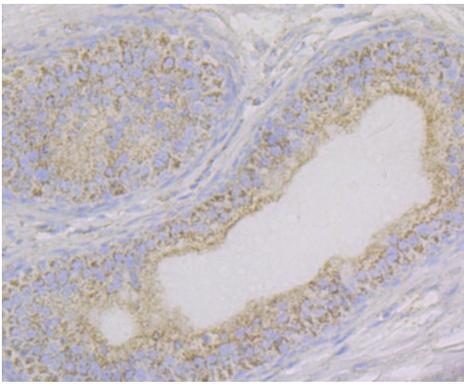
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200IP: 1:10-1:50

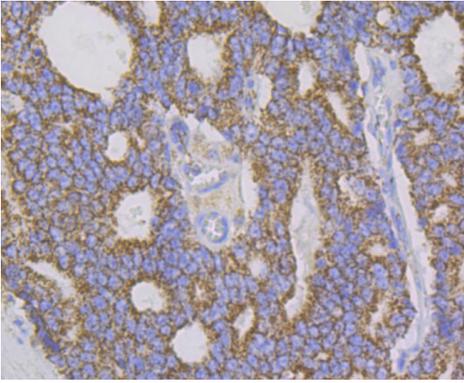
Images



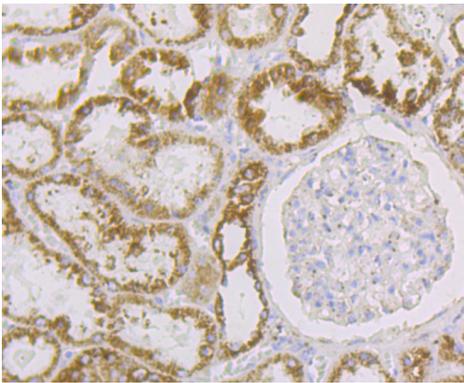
Western blot analysis of Aconitase 2 on SiHa (1) and HL-60 (2) cell lysate using anti-Aconitase 2 antibody at 1/2,000 dilution.



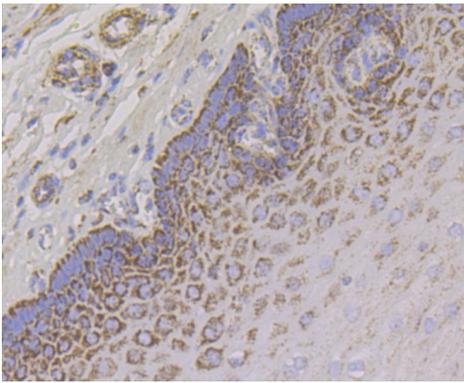
Immunohistochemical analysis of paraffin-embedded rat epididymis tissue using anti-Aconitase 2 antibody. Counter stained with hematoxylin.



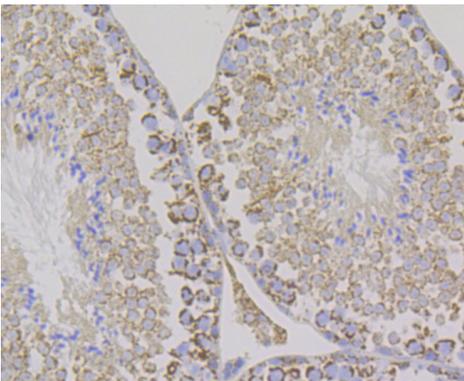
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-Aconitase 2 antibody. Counter stained with hematoxylin.



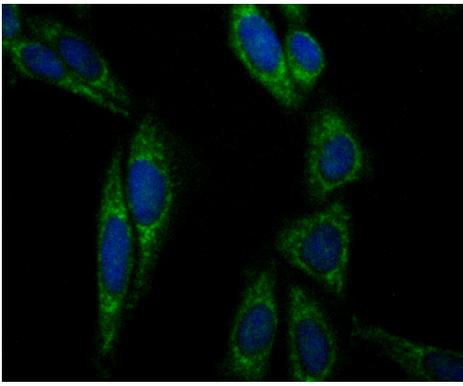
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Aconitase 2 antibody. Counter stained with hematoxylin.



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



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



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.

Background

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.

References

Note: This product is for in vitro research use only