Product Datasheet

Citrate synthetase Rabbit mAb

Catalog No: #49726

Package Size: #49726-1 50ul #49726-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

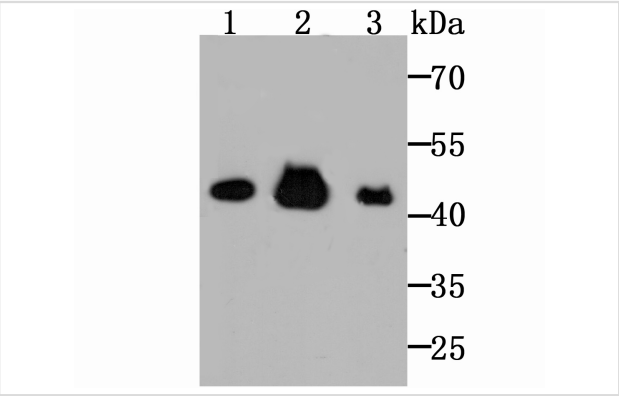
Description

Product Name	Citrate synthetase Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU80-30
Purification	ProA affinity purified
Applications	WB,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	CISY_HUMAN antibody Citrate synthase antibody Citrate synthase, mitochondrial antibody citrate synthetase antibody Cs antibody EC 2.3.3 antibody EC 2.3.3.1 antibody
Accession No.	Swiss-Prot#:O75390
Uniprot	O75390
GeneID	1431;
Calculated MW	52 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

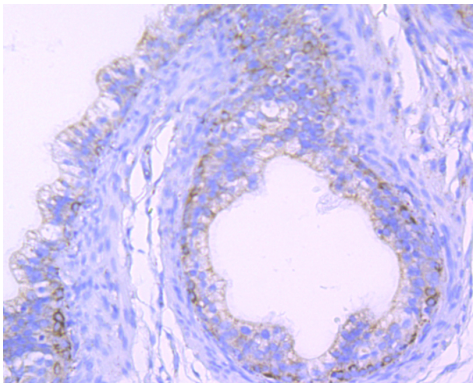
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:100FC: 1:50-1:200

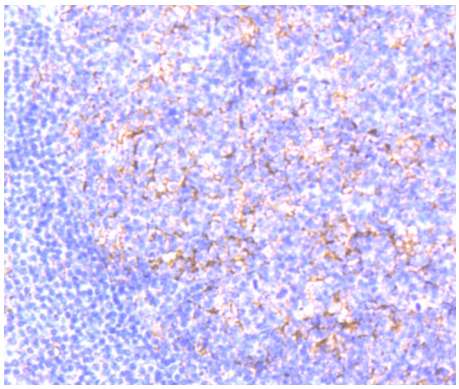
Images



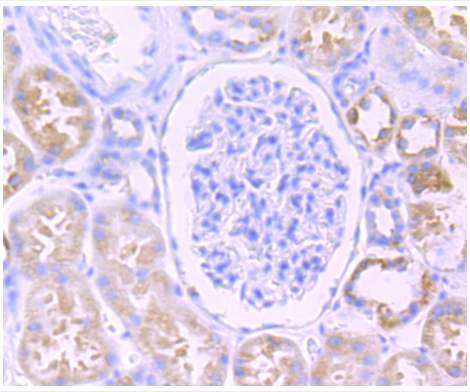
Western blot analysis of Citrate synthetase on Hela cell using anti-Citrate synthetase antibody at 1/1,000 dilution. Positive control: Lane 1: Rat kidney tissue Lane 2: Hela Lane 3: Mouse brain tissue



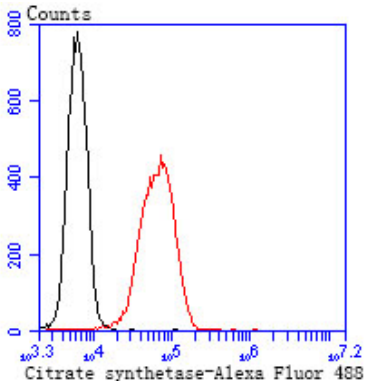
Immunohistochemical analysis of paraffin-embedded rat epididymis tissue using anti-Citrate synthetase antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Citrate synthetase antibody. Counter stained with hematoxylin.



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



Flow cytometric analysis of 293T cells with Citrate synthetase antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Citrate synthase is found in nearly all cells capable of oxidative metabolism.The enzyme citrate synthase exists in nearly all living cells and stands as a pace-making enzyme in the first step of the citric acid cycle (or Krebs cycle). Citrate synthase is localized within eukaryotic cells in the mitochondrial matrix, but is encoded by nuclear DNA rather than mitochondrial. It is synthesized using cytoplasmic ribosomes, then transported into the mitochondrial matrix. Citrate synthase is commonly used as a quantitative enzyme marker for the presence of intact mitochondria.

References

Note: This product is for in vitro research use only