10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CS Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5894a

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	O75390
Other Accession	P00889, P0C1Z2, P23007, NP_004068.2
Reactivity	Human
Predicted	Chicken, Monkey, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23371
Calculated MW	51712
Antigen Region	27-55

Additional Information

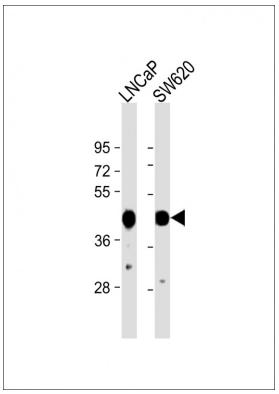
Gene ID	1431
Other Names	Citrate synthase, mitochondrial, Citrate (Si)-synthase, CS
Target/Specificity	This CS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 27-55 amino acids from the N-terminal region of human CS.
Dilution	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CS Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

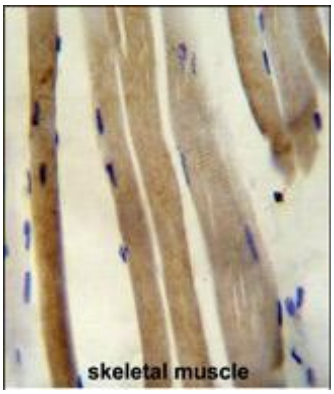
Name	CS
Function	Key enzyme of the Krebs tricarboxylic acid cycle which catalyzes the synthesis of citrate from acetyl coenzyme A and oxaloacetate.

Cellular Location	Mitochondrion matrix {ECO:0000250|UniProtKB:P00889}

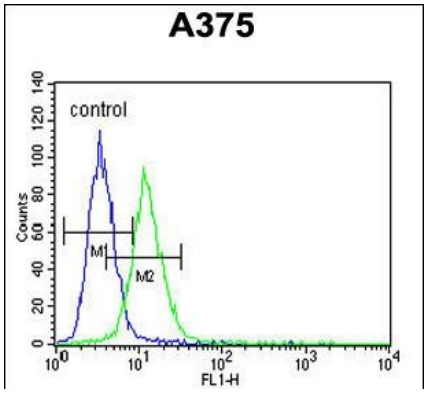
Images



All lanes : Anti-CS Antibody (N-term) at 1:1000 dilution Lane 1: LNCaP whole cell lysate Lane 2: SW620 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



CS Antibody (N-term) (Cat. #AP5894a) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CS Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



CS Antibody (N-term)(Cat. #AP5894a) flow cytometric analysis of A375 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- Mitochondrial transplantation reduces lower limb ischemia-reperfusion injury by increasing skeletal muscle energy and adipocyte browning