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## Datasheet for ABIN6942574 **anti-CS antibody**

### Overview

Quantity:	100 µL
Target:	CS
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc))

### Product Details

Immunogen:	Recombinant protein within human Citrate synthetase aa 1-200
Clone:	3C3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	CS
Alternative Name:	Citrate synthase ( <a href="#">CS Products</a> )
Background:	Synonyms: Citrate synthase mitochondrial, Citrate (Si)-synthase, CS,

## Target Details

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.

Gene ID: 1431

UniProt: [O75390](#)

## Application Details

Application Notes: WB 1:300-5000  
FCM 1:20-100  
IHC-P 1:200-400  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1xTBS ( pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for up to 2 weeks. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 12 months