



Anti-CS monoclonal antibody, clone HU3172 (DCABH-7890)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse Monoclonal to Citrate synthetase
Antigen Description	The protein encoded by this gene is a Krebs tricarboxylic acid cycle enzyme that catalyzes the synthesis of citrate from oxaloacetate and acetyl coenzyme A. The enzyme is found in nearly all cells capable of oxidative metabolism. This protein is nuclear encoded and transported into the mitochondrial matrix, where the mature form is found.
Immunogen	Recombinant fragment within Human Citrate synthetase aa 44-346. The exact sequence is proprietary. Database link: O75390
Source/Host	Mouse
Species Reactivity	Mouse, Human, Zebrafish
Clone	HU3172
Conjugate	Unconjugated
Applications	WB, IHC-P
Positive Control	293T, A431, HepG2, mouse brain, zebrafish brain, zebrafish heart, lysates, hepatoma tissue
Format	Liquid
Size	100 µl
Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

Ship

Shipped at 4°C.

GENE INFORMATION

Gene Name	CS citrate synthase [Homo sapiens]
Official Symbol	CS
Synonyms	CS; citrate synthase; citrate synthase, mitochondrial;
Entrez Gene ID	1431
Protein Refseq	NP_004068
UniProt ID	A0A024RB75
Chromosome Location	12q13.2
Pathway	Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Citrate cycle, first carbon oxidation, oxaloacetate => 2-oxoglutarate, organism-specific biosystem; Citrate cycle, first carbon oxidation, oxaloacetate => 2-oxoglutarate, conserved biosystem; Citric acid cycle (TCA cycle), organism-specific biosystem;
Function	citrate (Si)-synthase activity; citrate (Si)-synthase activity; transferase activity;