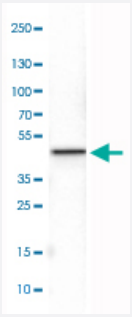
CS monoclonal antibody, clone CL2548

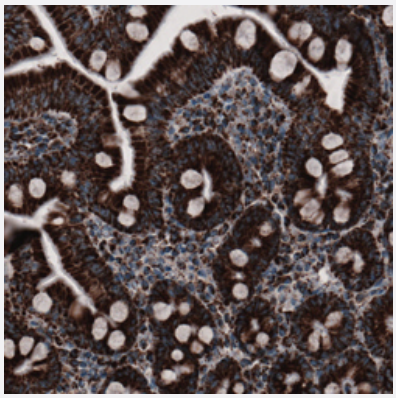
Catalog # MAB15755 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of U-251 MG cell lysate with CS monoclonal antibody, clone CL2548 (Cat # MAB15755).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human small intestine with CS monoclonal antibody, clone CL2548 (Cat # MAB15755) shows strong granular cytoplasmic immunoreactivity in both glandular and lamina propria cells.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human CS.
Immunogen	Recombinant protein corresponding to human CS.
Epitope	This antibody binds to an epitope located within the peptide sequence EPLPEGLFWLLVTGH as det ermined by overlapping synthetic peptides.
Sequence	ADLIPKEQARIKTFRQQHGKTVVGQITVDMMYGGMRGMKGLVYETSVLDPDEGIRFRGFSIPECQK LLPKAKGGEEPLPEGLFWLLVTGHIPTEEQVSWL
Host	Mouse

Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:2500-1:5000) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western Blot analysis of U-251 MG cell lysate with CS monoclonal antibody, clone CL2548 (Cat # MAB15755).

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Gene Info — CS

Entrez GeneID	1431
Protein Accession#	O75390
Gene Name	CS
Gene Alias	-
Gene Description	citrate synthase
Omim ID	118950
Gene Ontology	Hyperlink

Gene Summary	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 metablism. This protein is nuclear encoded and transported into the mitochondrial matrix, where the mature form is found. [provided by RefSeq
Other Designations	citrate synthase, mitochondrial

Pathway

- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of alkaloids derived from ornithine
- Biosynthesis of alkaloids derived from shikimate pathway
- Biosynthesis of alkaloids derived from terpenoid and polyketide
- Biosynthesis of phenylpropanoids
- Biosynthesis of plant hormones
- Biosynthesis of terpenoids and steroids
- Citrate cycle (TCA cycle)
- Glyoxylate and dicarboxylate metabolism
- Metabolic pathways

Disease

- Infertility