Cytochrome C, Somatic (CYCS) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Cytochrome C, Somatic (CYCS), Polyclonal Antibody
Full Product Name	FITC-Linked Polyclonal Antibody to Cytochrome C, Somatic (CYCS)
Product Gene Name	anti-CYCS antibody
Product Synonym Names	Cyt-C; HCS; CYC; CytC
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat, Guinea pig, Dog, Pig, Bovine, Goat, Horse, Chicken
Concentration	500ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: CYCS (MBS2004093) FITC Conjugated Antibody: CYCS (MBS2044754)
Matching Pairs	FITC Conjugated Antibody: CYCS (MBS2044754) Immunogen: CYCS (MBS2086778)
Molecular Weight	11,749 Da
OMIM	M22877 Genomic DNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	CYCS (Glu5~Lys100)
Conjugation	FITC
Cross Reactivity	Human, Mouse, Rat
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2004093
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-CYCS antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-CYCS antibody	MBS2044754 is an antibody targeting CYCS. Also known as FITC-Linked Polyclonal Antibody to Cytochrome C, Somatic (CYCS). Reactive in Human, Mouse, Rat, Guinea pig, Dog, Pig, Bovine, Goat, Horse, Chicken. Host: Rabbit.
Other Notes	Small volumes of anti-CYCS antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CYCS. It may not necessarily be applicable to this product.

NCBI GI #	45501024
NCBI GeneID	54205
NCBI Accession #	AAH67222.1

UniProt Secondary Accession #	P00001; Q6NUR2; Q6NX69; Q96BV4; A4D166; B2R4I1
UniProt Related Accession #	P99999
NCBI Official Full Name	Cytochrome c, somatic
NCBI Official Synonym Full Names	cytochrome c, somatic
NCBI Official Symbol	CYCS
NCBI Official Synonym Symbols	CYC; HCS; THC4
UniProt Protein Name	Cytochrome c
Protein Family	Cytochrome
UniProt Gene Name	CYCS
UniProt Synonym Gene Names	CYC
NCBI Protein Information	cytochrome c
NCBI Summary for CYCS	This gene encodes a small heme protein that functions as a central component of the electron transport chain in mitochondria. The encoded protein associates with the inner membrane of the mitochondrion where it accepts electrons from cytochrome b and transfers them to the cytochrome oxidase complex. This protein is also involved in initiation of apoptosis. Mutations in this gene are associated with autosomal dominant nonsyndromic thrombocytopenia. Numerous processed pseudogenes of this gene are found throughout the human genome.[provided by RefSeq, Jul 2010]
UniProt Comments for CYCS	CYCS: Electron carrier protein. The oxidized form of the cytochrome c heme group can accept an electron from the heme group of the cytochrome c1 subunit of cytochrome reductase. Cytochrome c then transfers this electron to the cytochrome oxidase complex, the final protein carrier in the mitochondrial electron-transport chain. Belongs to the cytochrome c family. Protein type: Apoptosis; Mitochondrial; Oxidoreductase; Protein phosphatase, Ser/Thr (non-receptor) Chromosomal Location of Human Ortholog: 7p15.3 Cellular Component: cytosol; mitochondrial inner membrane; mitochondrial intermembrane space; mitochondrion; nucleus; protein phosphatase type 2A complex Molecular Function: electron transporter, transferring electrons from CoQH2-cytochrome c reductase complex and cytochrome c oxidase complex activity; heme binding; protein binding; protein serine/threonine phosphatase activity Biological Process: caspase activation via cytochrome c; cellular respiration; mitochondrial electron transport, cytochrome c to oxygen; mitochondrial electron transport, ubiquinol to cytochrome c; mitochondrion organization and biogenesis; response to reactive oxygen species Disease: Thrombocytopenia 4
Research Articles on CYCS	**1.** These findings establish a framework for understanding the molecular basis of cytochrome c-mediated blocking of SET/TAF-Ibeta.
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