

Cytochrome C Polyclonal Antibody | anti-CYCS antibody

Anti-Cytochrome C Antibody

CATALOG # AAA46247	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunocytochemistry, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Cytochrome C; Polyclonal Antibody; Anti-Cytochrome C Antibody; Cytochrome c; CYC; CYC_HUMAN; CYCS; Cytochrome c somatic; HCS; THC4; cytochrome c; somatic; anti-CYCS antibody

PRODUCT SPECIFICATIONS

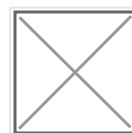
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	105
Applicable Applications for anti-CYCS antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Cytochrome C recombinant protein (Position: G2-E105). Human Cytochrome C shares 91% amino acid (aa) sequence identity with both mouse and rat Cytochrome C.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



ICC (Immunocytochemistry)

Anti- Cytochrome C Picoband antibody, AAA46247, ICCICC: SMMC-7721



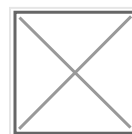
IHC (Immunohistochemistry)

Anti- Cytochrome C Picoband antibody, AAA46247, IHC(P)IHC(P): Human Intestinal Cancer Tissue



IHC (Immunohistochemistry)

Anti- Cytochrome C Picoband antibody, AAA46247, IHC(P)IHC(P): Rat Brain Tissue



IHC (Immunohistochemistry)

Anti- Cytochrome C Picoband antibody, AAA46247, IHC(P)IHC(P): Mouse Brain Tissue



WB (Western Blot)

Anti- Cytochrome C Picoband antibody, AAA46247, Western blottingAll lanes: Anti Cytochrome C (AAA46247) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: Rat Cardiac Muscle Tissue Lysate at 50ugLane 4: Mouse Cardiac Muscle Tissue Lysate at 50ugLane 5: U87 Whole Cell Lysate at 40ugLane 6: NEURO Whole Cell Lysate at 40ugLane 7: HELA Whole Cell Lysate at 40ugLane 8: JURKAT Whole Cell Lysate at 40ugLane 9: Human Placenta Tissue Lysate at 50ugPredicted bind size: 14KDObserved bind size: 14KD

ADDITIONAL INFORMATION

Related Product Information for anti-CYCS antibody	Description: Rabbit IgG polyclonal antibody for Cytochrome c(CYCS) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat. Background: CYCS is also known as CYC, HCS or THC4. 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.
References	1. García-Heredia JM, et al. Specific nitration of tyrosines 46 and 48 makes cytochrome c assemble a non-functional apoptosome. FEBS Lett, 2012 Jan 20. 2. Rajagopal BS, et al. The hydrogen-peroxide-induced radical behaviour in human cytochrome c-phospholipid complexes: implications for the enhanced pro-apoptotic activity of the G41S mutant. Biochem J, 2013 Dec 15. 3. Simon M, et al. Versatility of non-native forms of human cytochrome c: pH and micellar concentration dependence. J Biol Inorg Chem, 2013 Jan.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11128019
NCBI GeneID	54205
NCBI Accession #	NP_061820.1
NCBI GenBank Nucleotide #	NM_018947.5
UniProt Accession #	P99999; P00001; Q6NUR2; Q6NX69; Q96BV4; A4D166; B2R411
Molecular Weight	11,749 Da
NCBI Official Full Name	cytochrome c
NCBI Official Synonym Full Names	cytochrome c, somatic
NCBI Official Symbol	CYCS
NCBI Official Synonym Symbols	CYC; HCS; THC4
NCBI Protein Information	cytochrome c
UniProt Protein Name	Cytochrome c
UniProt Gene Name	CYCS
UniProt Synonym Gene Names	CYC
UniProt Entry Name	CYC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

