

Rabbit Cytochrome C Polyclonal Antibody | anti-Cycs antibody

Anti-Cytochrome C Picoband Antibody

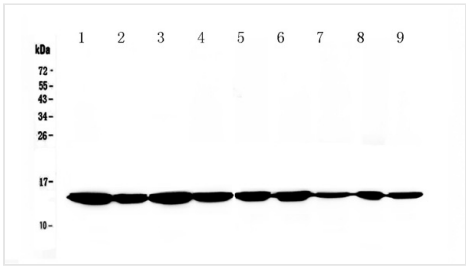
CATALOG # AAA124711	HOST Rabbit	REACTIVITY Human, Mouse, Rat No cross reactivity with other proteins.	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

Cytochrome C; Polyclonal Antibody; Anti-Cytochrome C Picoband Antibody; Cytochrome c; somatic; Cycs; anti-Cycs antibody

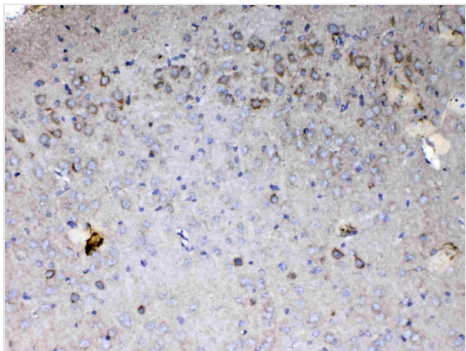
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	105
Applicable Applications for anti-Cycs antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	E Coli-derived mouse Cytochrome C recombinant protein (Position: G2-E105). Mouse Cytochrome C shares 91.3% and 100% amino acid (aa) sequence identity with human and rat Cytochrome C, respectively.
Subcellular Localization	Mitochondrion intermembrane space. Loosely associated with the inner membrane.
Tissue Specificity	Found in embryos and in adult liver and heart.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



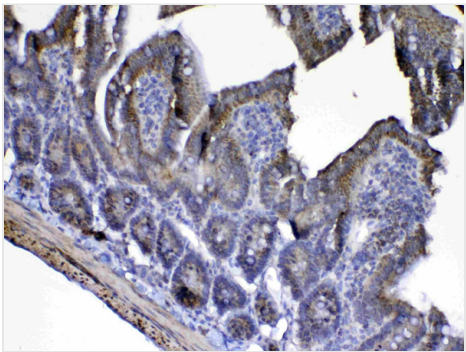
WB (Western Blot)

Figure 1. Western blot analysis of Cytochrome C using anti-Cytochrome C antibody (AAA124711). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat brain tissue lysate, Lane 2: rat heart tissue lysate, Lane 3: mouse brain tissue lysate, Lane 4: mouse heart tissue lysate, Lane 5: human Hela whole Cell lysate, Lane 6: human MCF-7 whole Cell lysate, Lane 7: human 293T whole Cell lysate, Lane 8: human HepG2 whole Cell lysate, Lane 9: human Jurkat whole Cell lysate. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Cytochrome C antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Cytochrome C at approximately 14KD. The expected band size for Cytochrome C is at 12KD.



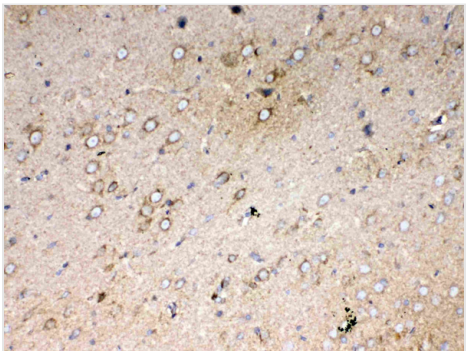
IHC (Immunohistochemistry)

Figure 2. IHC analysis of Cytochrome C using anti-Cytochrome C antibody (AAA124711). Cytochrome C was detected in paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Cytochrome C Antibody (AAA124711) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



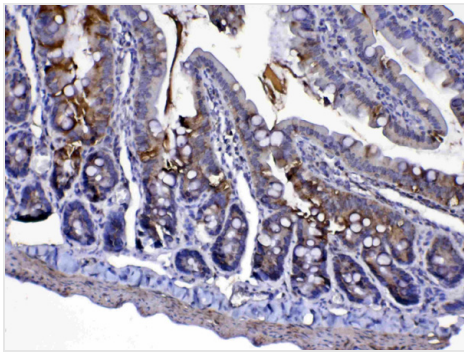
IHC (Immunohistochemistry)

Figure 3. IHC analysis of Cytochrome C using anti-Cytochrome C antibody (AAA124711). Cytochrome C was detected in paraffin-embedded section of mouse intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Cytochrome C Antibody (AAA124711) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of Cytochrome C using anti-Cytochrome C antibody (AAA124711). Cytochrome C was detected in paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Cytochrome C Antibody (AAA124711) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
 Figure 5. IHC analysis of Cytochrome C using anti-Cytochrome C antibody (AAA124711).Cytochrome C was detected in paraffin-embedded section of rat intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Cytochrome C Antibody (AAA124711) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-Cycs antibody	Description: 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. Protein Function: 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.
Product Categories/Family for anti-Cycs antibody	Cardiovascular; Lipids/Lipoproteins; Lipid Metabolism; cytochromes; Cell Biology; Apoptosis; Mitochondrial; Signal Transduction; Energy Metabolism; Cancer; Invasion/Microenvironment; Cytochrome C; Cancer Metabolism; Metabolic Signaling Pathway; Integratio

NCBI AND UNIPROT INFORMATION

NCBI GI #	6681095
NCBI GeneID	13063
NCBI Accession #	NP_031834.1
NCBI GenBank Nucleotide #	NM_007808.4
UniProt Accession #	P62897; P00009; Q8C2S2
Molecular Weight	11605 MW
NCBI Official Full Name	cytochrome c, somatic
NCBI Official Synonym Full Names	cytochrome c, somatic
NCBI Official Symbol	Cycs
NCBI Protein Information	cytochrome c, somatic
UniProt Protein Name	Cytochrome c, somatic
UniProt Gene Name	Cycs

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cytochrome-c-antibody-western-blot-immunohistochemistry-elisa/124711>