10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Cytochrome C Picoband Antibody

Catalog # ABO12025

Specification

Anti-Cytochrome C Picoband Antibody - Product Information

Application	**WB, IHC-P, ICC**
Primary Accession	P99999
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Cytochrome c(CYCS) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Cytochrome C Picoband Antibody - Additional Information

Gene ID 54205

Other Names
Cytochrome c, CYCS, CYC

Calculated MW
11749 MW KDa

Application Details
Immunocytochemistry , 0.5-1 µg/ml, Human, -
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization
Mitochondrion intermembrane space. Loosely associated with the inner membrane.

Protein Name
Cytochrome c

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

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.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities
Belongs to the cytochrome c family.

Anti-Cytochrome C Picoband Antibody - Protein Information

Name CYCS

Synonyms CYC

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.

Cellular Location
Mitochondrion intermembrane space. Note=Loosely associated with the inner membrane

Anti-Cytochrome C Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Cytochrome C Picoband Antibody - Images

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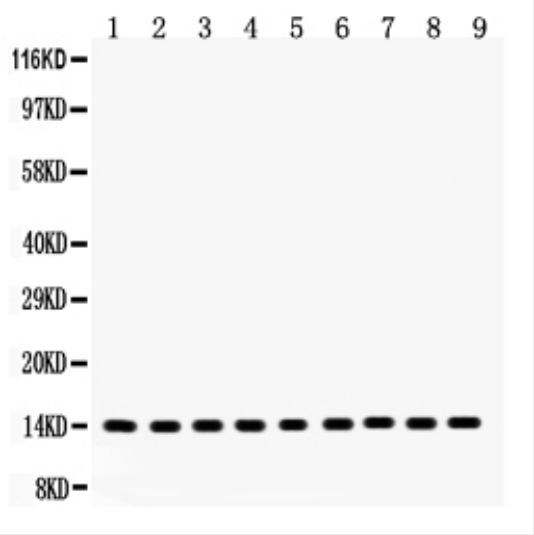
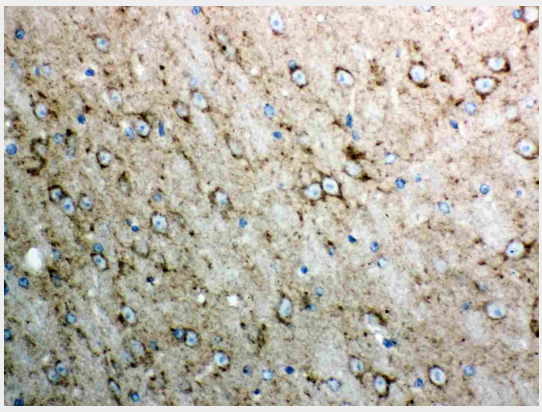
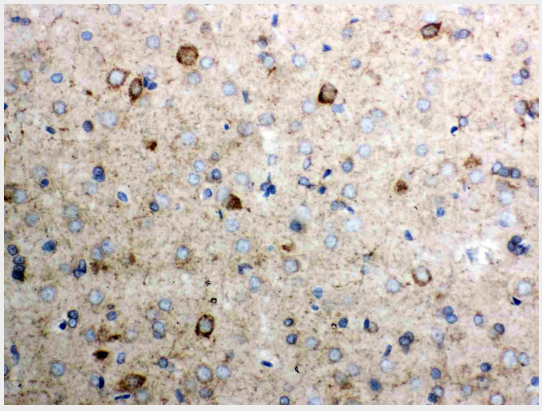


Anti- Cytochrome C Picoband antibody, ABO12025, Western blottingAll lanes: Anti Cytochrome C (ABO12025) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: Rat Cardiac Muscle Tissue Lysate at 50ugLane 4: Mouse Cardiac Muscle Tissue Lysate at 50ugLane 5: 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



Anti- Cytochrome C Picoband antibody, ABO12025, IHC(P)IHC(P): Mouse Brain Tissue



Anti- Cytochrome C Picoband antibody, ABO12025, IHC(P)IHC(P): Rat Brain Tissue

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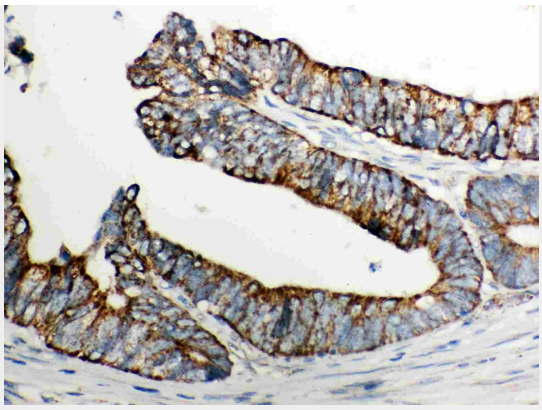
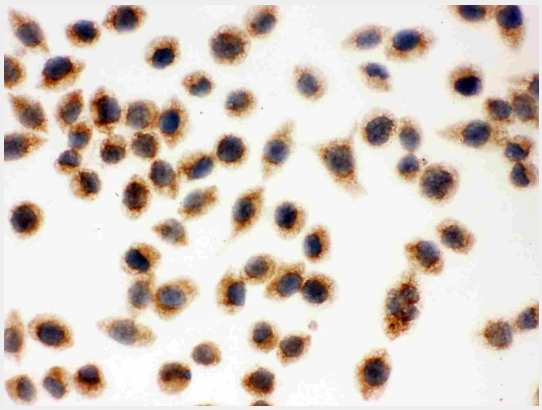


Anti- Cytochrome C Picoband antibody, ABO12025, IHC(P)IHC(P): Human Intestinal Cancer Tissue



Anti- Cytochrome C Picoband antibody, ABO12025,ICCICC: SMMC-7721

Anti-Cytochrome C Picoband Antibody - 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.