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Anti-Cytochrome C Antibody

Catalog # ABO10575

Product Information

Application	WB, IHC-P, IHC-F, 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, IHC-F, ICC in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	54205
Other Names	Cytochrome c, CYCS, CYC
Calculated MW	11749
Application Details	Immunocytochemistry , 0.5-1 □g/ml, Human, - Immunohistochemistry(Frozen Section), 0.5-1 □g/ml, Human, Rat, Mouse Immunohistochemistry(Paraffin-embedded Section), 0.5-1 □g/ml, Human, Rat, Mouse, By Heat Western blot, 0.1-0.5 □g/ml, Human, Mouse, Rat
Subcellular Localization	Mitochondrion intermembrane space. Loosely associated with the inner membrane.
Source	Eukaryota
Protein Name	Cytochrome c
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Cytochrome C(91-105 aa ERADLIAYLKKATNE), identical to the related mouse and rat sequences.
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.

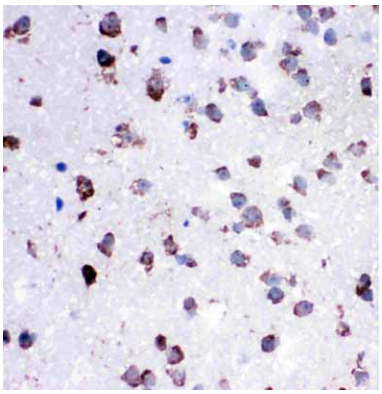
Protein Information

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

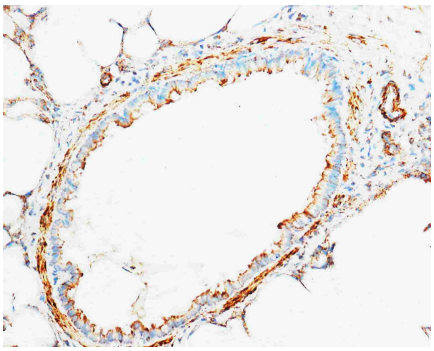
Background

Cytochrome C is located in the mitochondria of all aerobic cells and is involved in the electron transport system. Human cytochrome c has 104 amino acid residues and a molecular weight of 11,458 and is mapped to 7p15.2. Cytochrome c released from mitochondria has been proposed to be an essential component of an apoptotic pathway responsive to DNA damage and other forms of cell stress. And it has a role in different apoptotic signaling cascades.

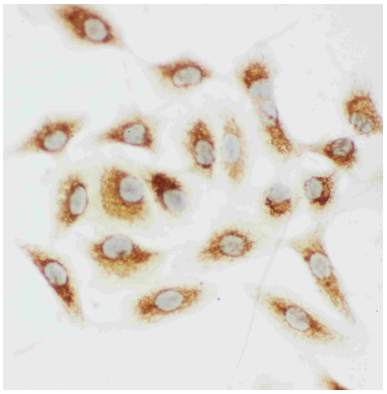
Images



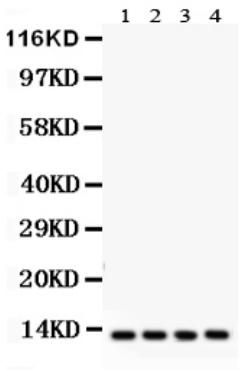
Anti-Cytochrome C antibody, ABO10575, IHC(P)IHC(P): Rat Lung Tissue



Anti-Cytochrome C antibody, ABO10575, IHC(F)IHC(F): Rat Brain Tissue



Anti-Cytochrome C antibody, ABO10575, ICCICC: A549 Cell



Anti-Cytochrome C antibody, ABO10575, Western blottingAll lanes: Anti Cytochrome C (ABO10575) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: HELA Whole Cell Lysate at 40ugLane 3: MCF-7 Whole Cell Lysate at 40ugLane 4: HEPA Whole Cell Lysate at 40ugPredicted bind size: 12KDObserved bind size: 12KD