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## Datasheet for ABIN723590 anti-Cytochrome C antibody (AA 51-105)

9 Images

19 Publications



### Overview

Quantity:	100 µL
Target:	Cytochrome C (CYCS)
Binding Specificity:	AA 51-105
Reactivity:	Human, Rat, Mouse, Rabbit, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cytochrome C antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Paraffin- embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Cytochrome C
lsotype:	lgG
Cross-Reactivity:	Chicken, Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Cow,Pig,Horse,Guinea Pig
Purification:	Purified by Protein A.
Target Details	

Target:

Cytochrome C (CYCS)

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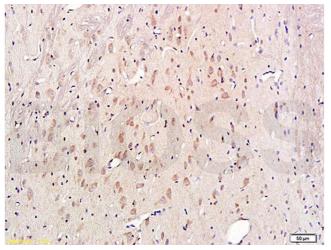
Target Details	
Alternative Name:	Cytochrome C (CYCS Products)
Background:	Synonyms: CYC, HCS, THC4, Cytochrome c, CYCS Background: Electron carrier protein. The oxidized form of the cytochrome c heme group can accept an electron from the heme group of the cytochrome c1 subunit of cytochrome reductase. Cytochrome c then transfers this electron to the cytochrome oxidase complex, the final protein carrier in the mitochondrial electron-transport chain. Plays a role in apoptosis. Suppression of the anti-apoptotic members or activation of the pro-apoptotic members of the Bcl-2 family leads to altered mitochondrial membrane permeability resulting in release of cytochrome c into the cytosol. Binding of cytochrome c to Apaf-1 triggers the activation of caspase-9, which then accelerates apoptosis by activating other caspases.
Gene ID:	54205
UniProt:	P99999
Pathways:	Apoptosis, Caspase Cascade in Apoptosis, Positive Regulation of Endopeptidase Activity

## Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

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Handling	
	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Liu, Chen, Du, Wu, Dong, Qu, Fan, Yao: "GluR3B Ab's induced oligodendrocyte precursor cells
	excitotoxicity via mitochondrial dysfunction." in: <b>Brain research bulletin</b> , Vol. 130, pp. 60-66, ( 2017) (PubMed).
	Abdel-Hamid, El-Azab, Moustafa: "Macrolide antibiotics differentially influence human HepG2
	cytotoxicity and modulate intrinsic/extrinsic apoptotic pathways in rat hepatocellular
	carcinoma model." in: Naunyn-Schmiedeberg's archives of pharmacology, Vol. 390, Issue 4,
	pp. 379-395, (2017) (PubMed).
	Tian, Wang, Zhang, Luo, Jiang, Zhang, Mei, Wu, Wu, Peng, Long, Luo, Guo: "Phosphoprotein
	Gene Contributes to the Enhanced Apoptosis Induced by Wild-Type Rabies Virus GD-SH-01 In
	Vitro." in: Frontiers in microbiology, Vol. 8, pp. 1697, (2017) (PubMed).
	Gu, Chen, Jiang, Zhang: "ROS-mediated endoplasmic reticulum stress and mitochondrial
	dysfunction underlie apoptosis induced by resveratrol and arsenic trioxide in A549 cells." in:
	Chemico-biological interactions, Vol. 245, pp. 100-9, (2016) (PubMed).
	Duan, Li, Li, Xing, Zhang, Li, Zhao, Sun, Gao, Li et al.: "Antioxidant tert-butylhydroquinone
	ameliorates arsenic-induced intracellular damages and apoptosis through induction of Nrf2-
	dependent antioxidant responses as well as stabilization of anti-apoptotic" in: Free radical
	<b>biology &amp; medicine</b> , Vol. 94, pp. 74-87, (2016) (PubMed).
	There are more publications referencing this product on: Product page



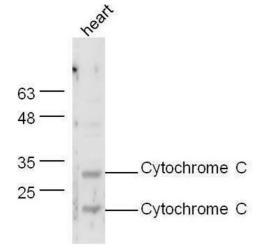
# 1 2 12%Gel 120kD 85kD 50kD 35kD 25kD 26kD

### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti-Cytochrome C Polyclonal Antibody, Unconjugated (ABIN723590) 1:300 followed by conjugation to the secondary antibody and DAB staining

### SDS-PAGE

**Image 2.** L1 mouse brain lysates L2 mouse lung lysates probed with Anti Cytochrome C Polyclonal Antibody, Unconjugated (ABIN723590) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 26kD. Observed band size:26kD.



### Western Blotting

**Image 3.** Mouse heart probed with Anti-Cytochrome C Polyclonal Antibody Unconjugated at 1:5000 for 90 min at 37°C.

Please check the product details page for more images. Overall 9 images are available for ABIN723590.

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