Product datasheet

Anti-Cytochrome c/CYCS Antibody

Catalog Number: *BA0781*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-Cytochrome c/CYCS Antibody
Gene Name	CYCS
Source	Rabbit
Isotype	IgG
Species Reactivity	human, monkey, mouse, rat
Tested Application	WB, IHC, IHC-F, ICC/IF, FCM
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
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.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	14KD
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 Immunohistochemistry in frozen section (IHC-F): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow cytometry (FCM): 1-3 μg/1x10^6 cells (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

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.

Reference

Anti-Cytochrome c/CYCS Antibody 被引用在3文献中。

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Selected Validation Data

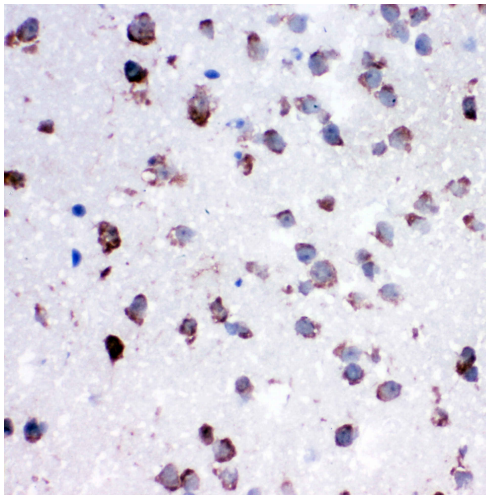

Figure 1.IHC analysis using anti- Cytochrome C antibody (BA0781). detected in paraffin-embedded section of rat lung tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

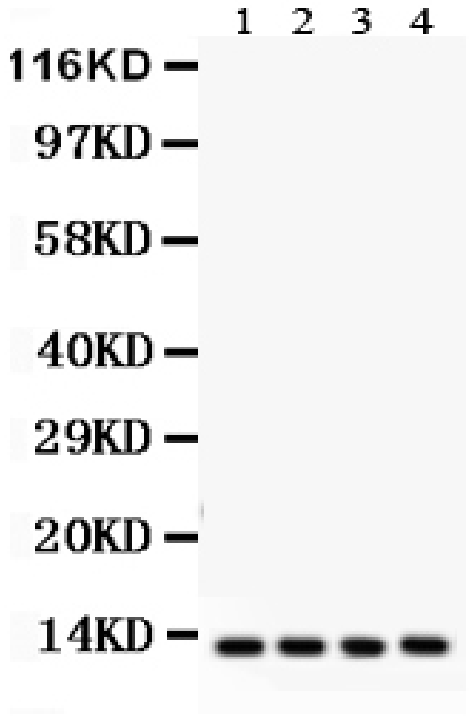

Figure 4. Western blot analysis of anti- Cytochrome C antibody (BA0781).The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: Rat Liver tissue lysates,Lane 2: Human hela whole cell lysates,Lane 3: Human MCF-7 whole cell lysates,Lane 4: mouse HEPA whole cell lysates.Use rabbit anti- Cytochrome C 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for Cytochrome C at approximately 14KD. The expected band size for Cytochrome C is at 14KD.

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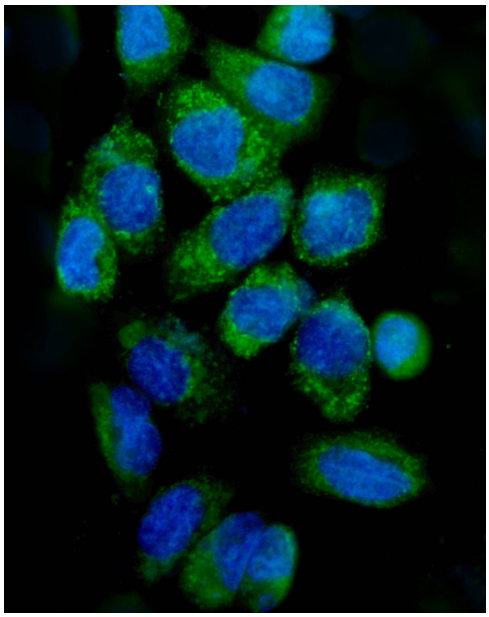

Figure 7.ICC analysis using anti- Cytochrome C antibody (BA0781). was detected in immersion fixed A431 cell line . Cells were stained using the Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green)(Catalog#BA1127) and counterstained with DAPI (blue).

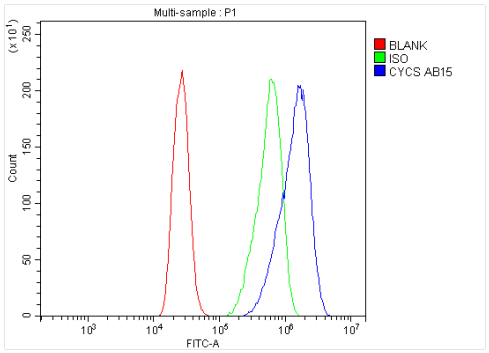

Figure 8.Flow cytometry analysis of CACO-2 cell (1x106) DyLight 488 conjugated goat anti-mouse IgG(blue) was used as secondary antibody.Isotype control antibody (Green line) was mouse IgG DyLight 488. Unlabelled sample (Red line).