


# Anti-Cytochrome C antibody [EP1326-80-5] ab76107

**重组** RabMAb

★★★★☆ **4 Abreviews** **7 References** **5 图像**

### 概述

产品名称	Anti-Cytochrome C抗体[EP1326-80-5]
描述	兔单克隆抗体[EP1326-80-5] to Cytochrome C
宿主	Rabbit
经测试应用	<b>适用于:</b> WB, IHC-P, mlHC <b>不适用于:</b> Flow Cyt
种属反应性	<b>与反应:</b> Mouse, Human, African green monkey <b>预测可用于:</b> Rat 
免疫原	Synthetic peptide within Human Cytochrome C (N terminal). The exact sequence is proprietary.
阳性对照	WB: HeLa, COS and L929 cell lysates. IHC-P: human kidney tissue. mlHC: Human parathyroid gland tissue.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆

克隆编号

EP1326-80-5

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab76107于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (2)	1/500. Predicted molecular weight: 12 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
mlHC		Use at an assay dependent concentration.

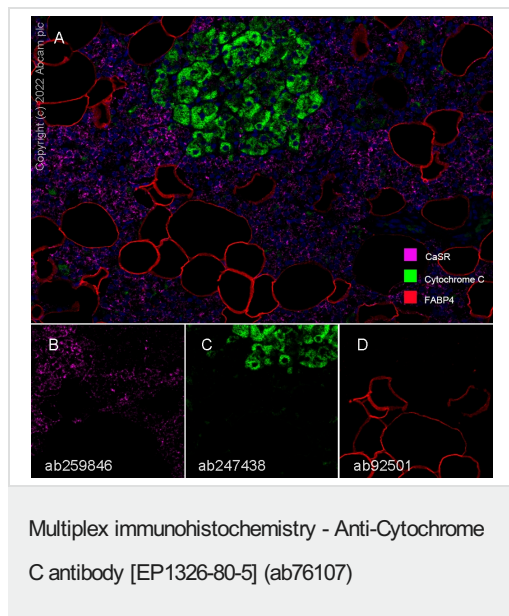
应用说明

Is unsuitable for Flow Cyt.

靶标

功能	<p>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.</p> <p>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.</p>
疾病相关	<p>Defects in CYCS are the cause of thrombocytopenia type 4 (THC4) [MIM:612004]; also known as autosomal dominant thrombocytopenia type 4. Thrombocytopenia is the presence of relatively few platelets in blood. THC4 is a non-syndromic form of thrombocytopenia. Clinical manifestations of thrombocytopenia are absent or mild. THC4 may be caused by dysregulated platelet formation.</p>
序列相似性	<p>Belongs to the cytochrome c family.</p>
翻译后修饰	<p>Binds 1 heme group per subunit.</p>
细胞定位	<p>Mitochondrion matrix.</p>

图片



Fluorescence multiplex immunohistochemical analysis of the Human parathyroid gland (Formalin/PFA-fixed paraffin-embedded sections).

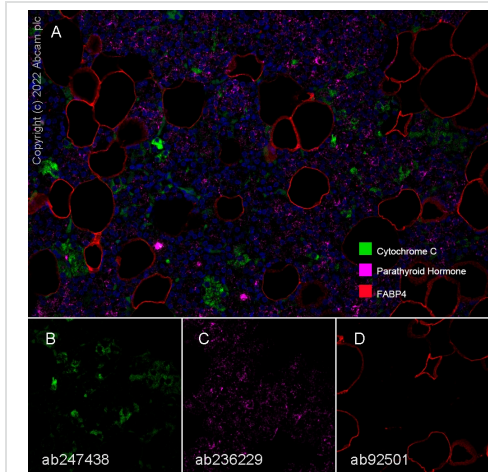
Panel A: merged staining of anti-CaSR (**ab259846**, magenta; Opal™690), anti-Cytochrome C (**ab247438**, green; Opal™520) and anti-FABP4 (**ab92501**, red; Opal™570) on human parathyroid gland. Panel B: anti-CaSR stained on parathyroid chief cells. Panel C: anti-Cytochrome C stained on parathyroid oxyphil cells. Panel D: anti-FABP4 stained on adipocytes. Opal Polymer HRP Ms + Rb was used as a secondary antibody.

The section was incubated in three rounds of staining: in the order of **ab259846** at 1/5000 dilution (0.103 µg/ml), **ab247438** at 1/5000 dilution (0.195 µg/ml), and **ab92501** at 1/10000 dilution (0.047 µg/ml) for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins. DAPI (blue) was used as a nuclear counter stain.

This data was developed using **ab247438**, the same antibody clone in a different buffer formulation.



Multiplex immunohistochemistry - Anti-Cytochrome C antibody [EP1326-80-5] (ab76107)

Fluorescence multiplex immunohistochemical analysis of the human parathyroid gland (Formalin/PFA-fixed paraffin-embedded sections).

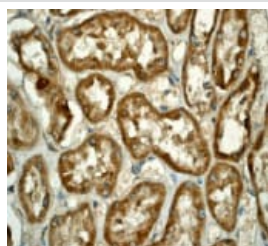
Panel A: merged staining of anti-Parathyroid Hormone ([ab236229](#), magenta; Opal™690), anti-Cytochrome C ([ab247438](#), green; Opal™520) and anti-FABP4 ([ab92501](#), red; Opal™570) on human parathyroid gland. Panel B: anti-Cytochrome C stained on parathyroid oxyphil cells. Panel C: anti-Parathyroid Hormone stained on parathyroid chief cells. Panel D: anti-FABP4 stained on adipocytes. Opal Polymer HRP Ms + Rb was used as a secondary antibody.

The section was incubated in three rounds of staining: in the order of [ab236229](#) at 1/200 dilution (5.065 µg/ml) for 10 mins, then [ab247438](#) at 1/5000 dilution (0.195 µg/ml) and [ab92501](#) at 1/10000 dilution (0.047 µg/ml) for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.

Heat mediated antigen retrieval was performed with Citrate buffer (pH 6.0, Epitope Retrieval Solution 1) for 20 mins. DAPI (blue) was used as a nuclear counter stain.

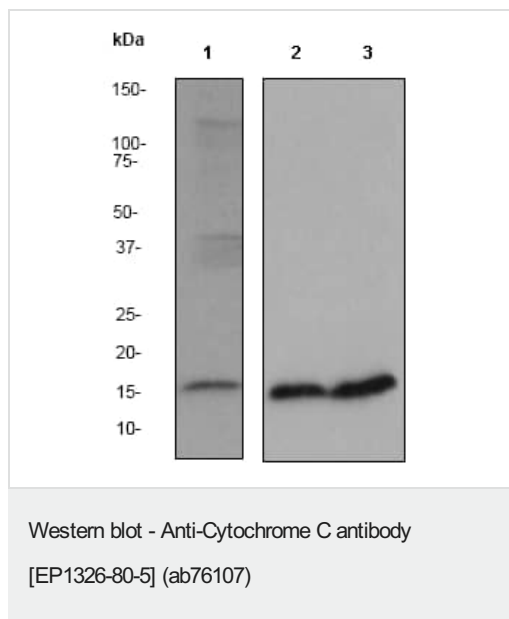
This data was developed using [ab247438](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome C antibody [EP1326-80-5] (ab76107)

[ab76107](#) at 1/100 dilution staining Cytochrome C in human kidney by Immunohistochemistry using paraffin-embedded tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



**All lanes :** Anti-Cytochrome C antibody [EP1326-80-5] (ab76107)  
at 1/200 dilution

**Lane 1 :** HeLa cell lysate

**Lane 2 :** COS cell lysate

**Lane 3 :** L929 cell lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

**Lanes 1-2 :** Goat anti-rabbit HRP at 1/2000 dilution

**Lane 3 :** goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 12 kDa

**Observed band size:** 15 kDa

Why choose a recombinant antibody?

**Research with confidence**  
Consistent and reproducible results

**Long-term and scalable supply**  
Recombinant technology

**Success from the first experiment**  
Confirmed specificity

**Ethical standards compliant**  
Animal-free production

Anti-Cytochrome C antibody [EP1326-80-5]  
(ab76107)

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