

# Anti-Prohibitin antibody [EP2804Y] - Mitochondrial Marker ab75771

**重组** RabMAb

**13 References**   **11 图像**

### 概述

产品名称	Anti-Prohibitin抗体[EP2804Y] - Mitochondrial Marker
描述	兔单克隆抗体[EP2804Y] to Prohibitin - Mitochondrial Marker
宿主	Rabbit
经测试应用	<b>适用于:</b> WB, IP, IHC-P, ICC/IF
种属反应性	<b>与反应:</b> Mouse, Rat, Human
免疫原	Synthetic peptide within Human Prohibitin aa 150-250. The exact sequence is proprietary.
阳性对照	WB: MCF-7, PC-12, A431 and Ramos cell lysate; IHC-P: human hepatocellular carcinoma tissue, mouse kidney tissue, mouse endometrium tissue, mouse liver tissue, rat liver tissue and rat stomach tissue; ICC/IF: Hela and Neuro-2a cells. IP: MCF7
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>
纯度	Protein A purified
克隆	单克隆

克隆编号	EP2804Y
同种型	IgG

应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab75771于以下的经测试应用

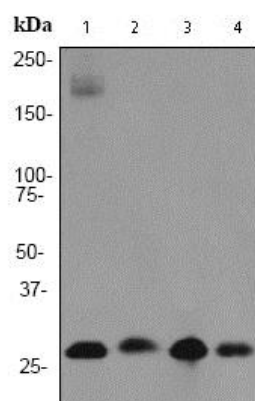
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/1000. Predicted molecular weight: 30 kDa.
IP		1/110.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.

靶标

功能	Prohibitin inhibits DNA synthesis. It has a role in regulating proliferation. As yet it is unclear if the protein or the mRNA exhibits this effect. May play a role in regulating mitochondrial respiration activity and in aging.
组织特异性	Widely expressed in different tissues.
序列相似性	Belongs to the prohibitin family.
发展阶段	Levels of expression in fibroblasts decrease heterogeneously during cellular aging.
细胞定位	Mitochondrion inner membrane.

图片



Western blot - Anti-Prohibitin antibody [EP2804Y] - Mitochondrial Marker (ab75771)

**All lanes :** Anti-Prohibitin antibody [EP2804Y] - Mitochondrial Marker (ab75771) at 1/1000 dilution

**Lane 1 :** MCF-7 cell lysates

**Lane 2 :** PC-12 cell lysates

**Lane 3 :** A431 cell lysates

**Lane 4 :** Ramos cell lysates

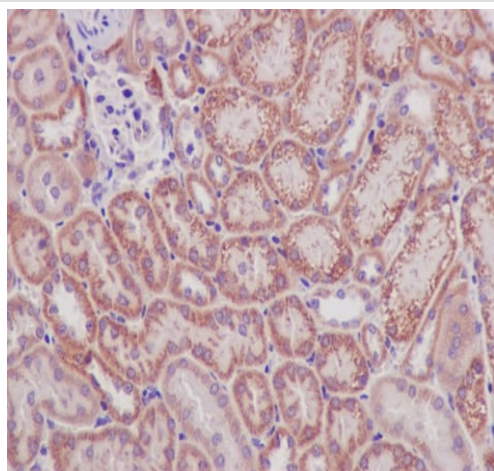
Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 30 kDa

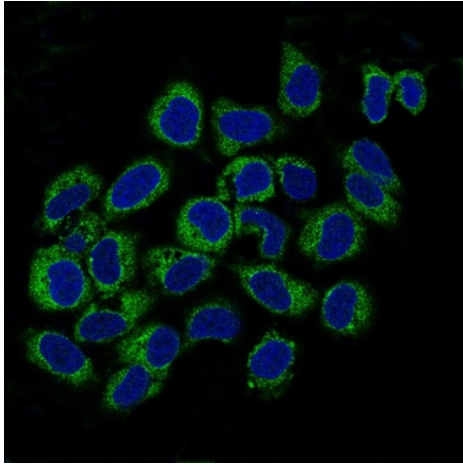
**Observed band size:** 30 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prohibitin antibody [EP2804Y] - Mitochondrial Marker (ab75771)

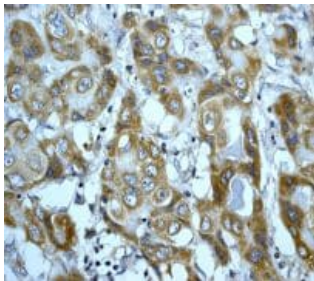
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse kidney tissue labelling Prohibitin with ab75771 at 1/250.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-Prohibitin antibody [EP2804Y] - Mitochondrial Marker (ab75771)

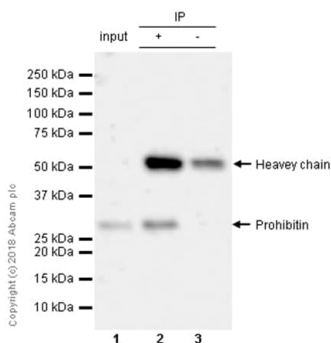
Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling Prohibitin with **ab75711** at 1/250. An Alexa Fluor<sup>®</sup> 488-conjugated anti-rabbit IgG was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prohibitin antibody [EP2804Y] - Mitochondrial Marker (ab75771)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human hepatocellular carcinoma tissue labelling Prohibitin with ab75771 at 1/100. A HRP/AP polymerized secondary antibody was used.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunoprecipitation - Anti-Prohibitin antibody [EP2804Y] - Mitochondrial Marker (ab75771)

ab75771 (purified) at 1/110 dilution (20 µg/ml) immunoprecipitating Prohibitin in MCF7 whole cell lysate .

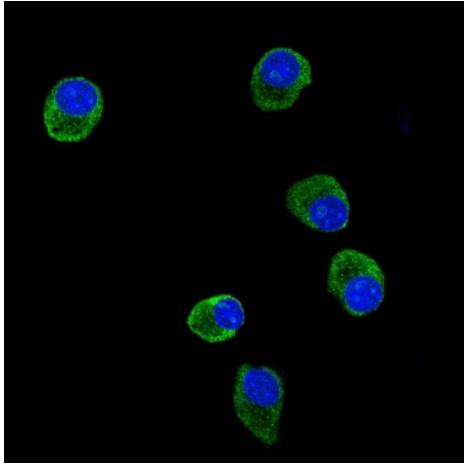
Lane 1 (input): MCF7(Human breast adenocarcinoma epithelial cell) whole cell lysate 10µg

Lane 2 (+): ab75771 & MCF7 whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab75771 in MCF7 whole cell lysate

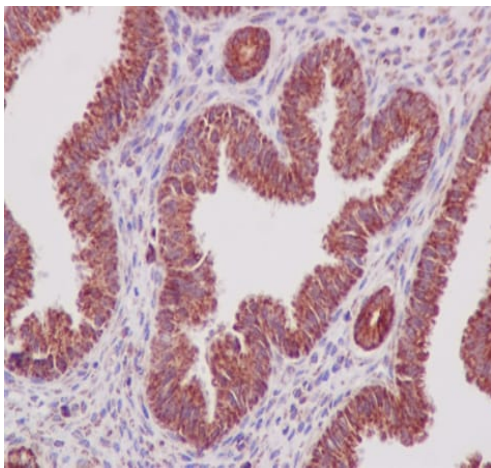
For western blotting, ab75771 at 1/500 dilution (4.3 µg/ml) VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used for detection at 1/1000 dilution.

Blocking and diluting buffer: 5% NFDM /TBST .



Immunocytochemistry/ Immunofluorescence - Anti-Prohibitin antibody [EP2804Y] - Mitochondrial Marker (ab75771)

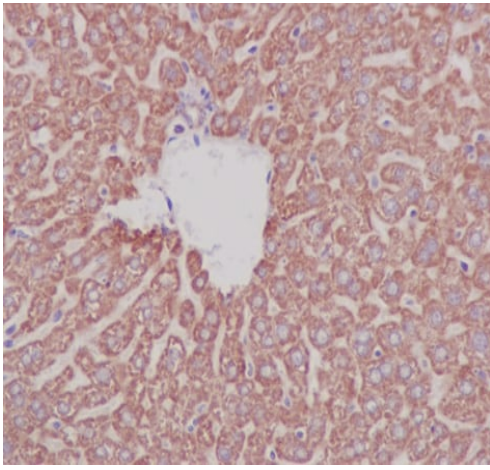
Immunocytochemistry/Immunofluorescence analysis of Neuro-2a cells labelling Prohibitin with **ab75711** at 1/250. An Alexa Fluor® 488-conjugated anti-rabbit IgG was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prohibitin antibody [EP2804Y] - Mitochondrial Marker (ab75771)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse endometrium tissue labelling Prohibitin with ab75771 at 1/250.

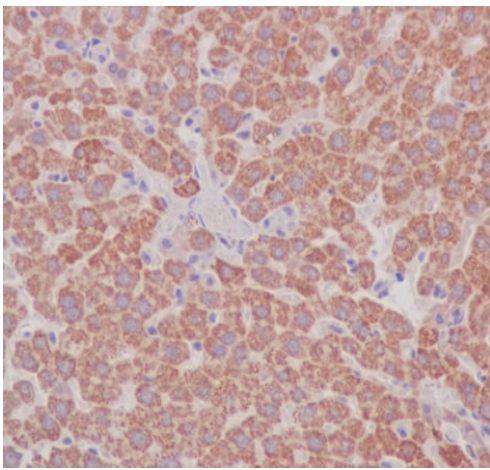
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prohibitin antibody  
[EP2804Y] - Mitochondrial Marker (ab75771)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse liver tissue labelling Prohibitin with ab75771 at 1/250.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

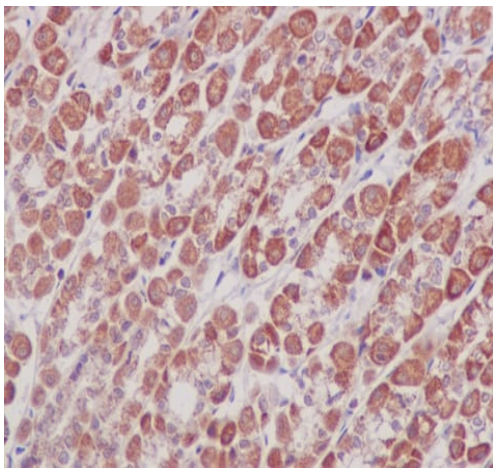


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prohibitin antibody  
[EP2804Y] - Mitochondrial Marker (ab75771)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat liver tissue labelling Prohibitin with ab75771 at 1/250.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.





Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prohibitin antibody  
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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat stomach tissue labelling Prohibitin with ab75771 at 1/250.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

#### 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-Prohibitin antibody [EP2804Y] - Mitochondrial Marker (ab75771)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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