

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

リコンビナント RabMAb

**13 References** [画像数 11](#)

### 製品の概要

製品名	Anti-Prohibitin antibody [EP2804Y] - Mitochondrial Marker
製品の詳細	Rabbit monoclonal [EP2804Y] to Prohibitin - Mitochondrial Marker
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IP, IHC-P, ICC/IF
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide within Human Prohibitin aa 150-250. The exact sequence is proprietary.
ポジティブ・コントロール	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
特記事項	<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>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名 EP2804Y  
アイソタイプ IgG

#### アプリケーション

**The Abpromise guarantee** **Abpromise保証は、次のテスト済みアプリケーションにおけるab75771の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

#### ターゲット情報

**機能** 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.

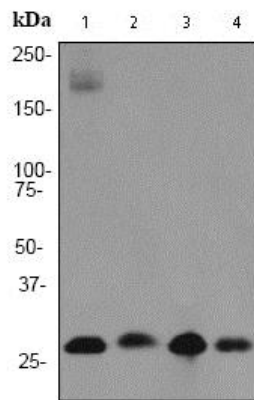
**組織特異性** Widely expressed in different tissues.

**配列類似性** Belongs to the prohibitin family.

**発生段階** Levels of expression in fibroblasts decrease heterogeneously during cellular aging.

**細胞内局在** Mitochondrion inner membrane.

#### 画像



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

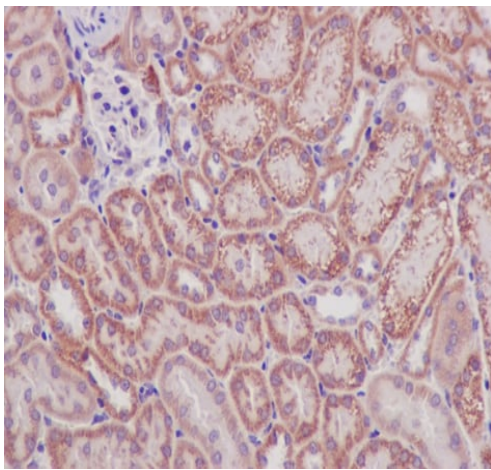
Lysates/proteins at 10 µg per lane.

### Secondary

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

**Predicted band size:** 30 kDa

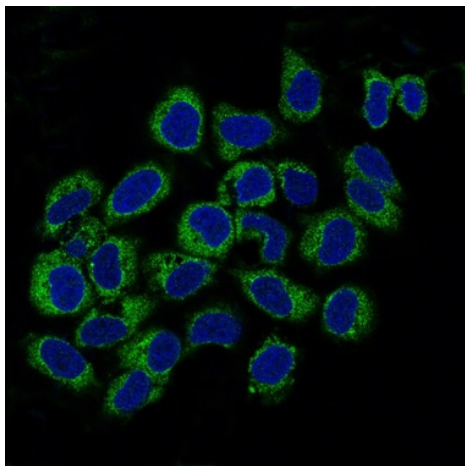
**Observed band size:** 30 kDa



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

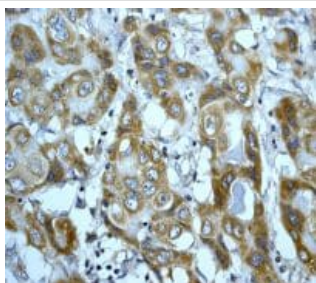
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse kidney tissue labelling Prohibitin with ab75771 at 1/250.

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)

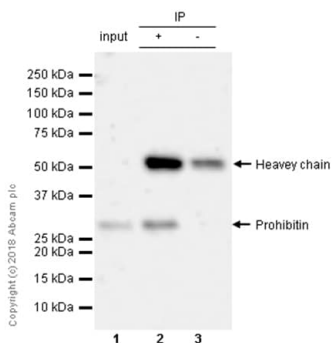
Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling Prohibitin with **ab75711** at 1/250. An Alexa Fluor® 488-conjugated anti-rabbit IgG was used as the secondary antibody.



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 .

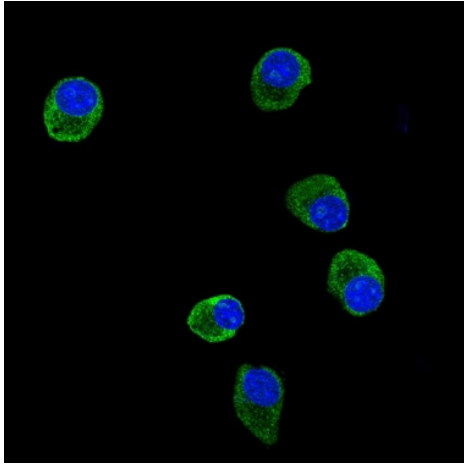
Lane 1 (input): MCF7(Human breast adenocarcinoma epithelial cell) whole cell lysate 10µg

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

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

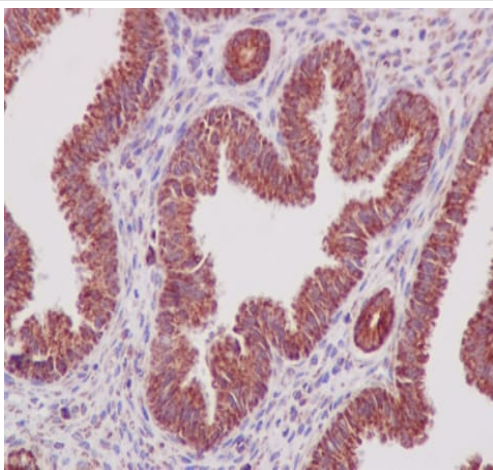
For western blotting, ab75771 at 1/500 dilution (4.3 µg/ml) VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used for detection at 1/1000 dilution.

Blocking and diluting buffer: 5% NFDm /TBST .



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

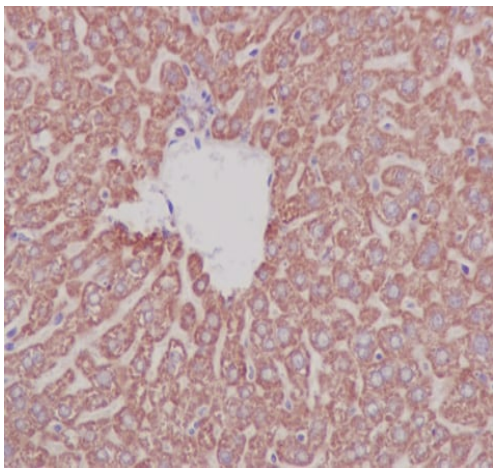
Immunocytochemistry/Immunofluorescence analysis of Neuro-2a cells labelling Prohibitin with **ab75711** at 1/250. An Alexa Fluor<sup>®</sup> 488-conjugated anti-rabbit IgG was used as the secondary antibody.



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

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

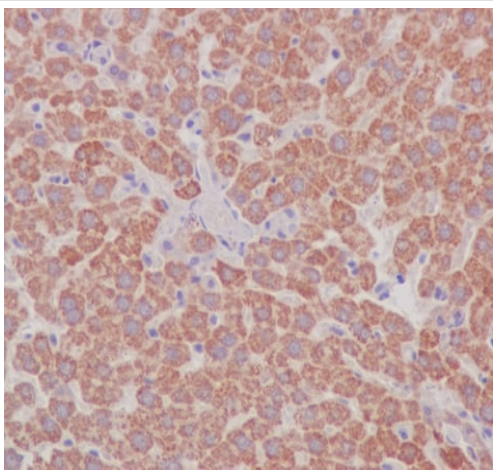
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



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.

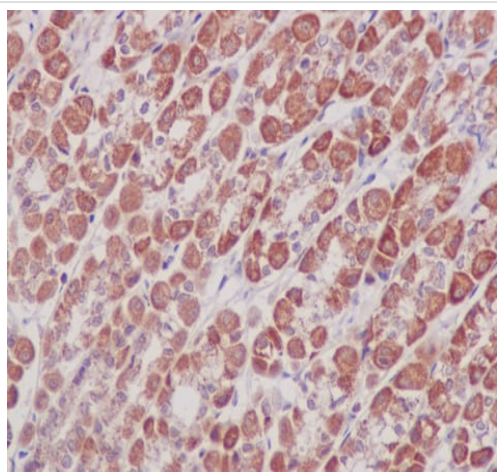
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



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 [EP2804Y] - Mitochondrial Marker (ab75771)

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)

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