

## Product datasheet

# Anti-PDI antibody ab3672

★★★★☆ 13 Abreviews 17 References 画像数 6

### 製品の概要

|          |   |
|----------|---|
| 製品名      | Anti-PDI antibody   |
| 製品の詳細    | Rabbit polyclonal to PDI  |
| 由来種      | Rabbit  |
| 特異性      | PDI runs at 61.2 kD on samples from human placenta. In samples from rat liver, it runs at 59 kD, but 3 other bands may appear due to protein degradation - these run at 58.9 kD, 55.2 kD and 53.8 kD. |
| アプリケーション | 適用あり: ICC, WB, IHC-P, IHC-Fr, ICC/IF  |
| 種交差性     | 交差種: Mouse, Rat, Hamster, Cow, Human, African green monkey, Chinese hamster   |
| 免疫原      | Full length protein.  |

### 製品の特性

|        |  |
|--------|--|
| 製品の状態  | Liquid   |
| 保存方法   | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| バッファー  | Preservative: 0.1% Sodium azide  |
| 精製度    | Whole antiserum  |
| ポリ/モノ  | ポリクローナル  |
| アイソタイプ | IgG  |

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab3672** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

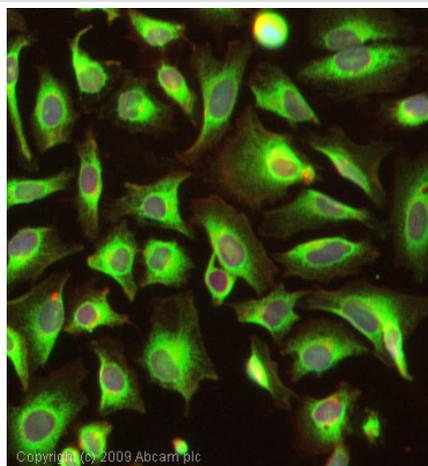
| アプリケーション | Abreviews | 特記事項  |
|----------|-----------|---|
| ICC      |           | 1/50 - 1/100.                                   |
| WB       | ★★★★☆     | 1/1000. Detects a band of approximately 60 kDa. |

| アプリケーション | Abreviews | 特記事項                                     |
|----------|-----------|--|
| IHC-P    | ★★★★☆     | Use at an assay dependent concentration. |
| IHC-Fr   | ★★★★☆     | 1/100.                                   |
| ICC/IF   | ★★★★★     | 1/600. PubMed: 19059915                  |

## ターゲット情報

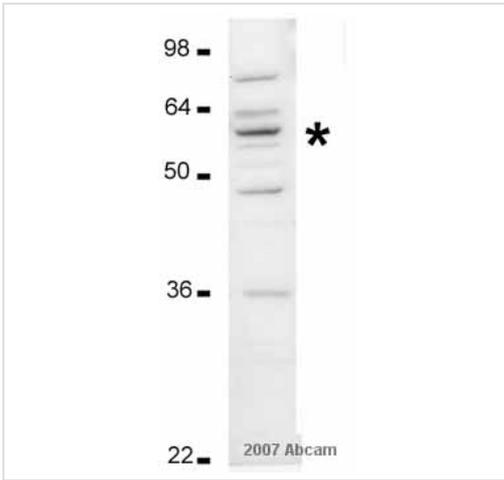
|       |   |
|-------|---|
| 機能    | Acts as an intracellular estrogen-binding protein. May be involved in modulating cellular levels and biological functions of estrogens in the pancreas. May act as a chaperone that inhibits aggregation of misfolded proteins. |
| 組織特異性 | Highly expressed in pancreas (at protein level).  |
| 配列類似性 | Belongs to the protein disulfide isomerase family.<br>Contains 2 thioredoxin domains.   |
| 翻訳後修飾 | The disulfide-linked homodimer exhibits an enhanced chaperone activity.<br>Glycosylated.  |
| 細胞内局在 | Endoplasmic reticulum lumen.  |

## 画像



Immunocytochemistry/ Immunofluorescence - Anti-PDI antibody (ab3672)

ICC/IF image of ab3672 stained HeLa cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab3672, 1 $\mu$ g/ml) overnight at +4 $\circ$ C. The secondary antibody (green) was Alexa Fluor<sup>®</sup> 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor<sup>®</sup> 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43 $\mu$ M.



Western blot - Anti-PDI antibody (ab3672)

Anti-PDI antibody (ab3672) at 1/1000 dilution  
+ PC12 whole cell lysate at 20 µg

**Secondary**

HRP conjugated swine anti-rabbit antibody

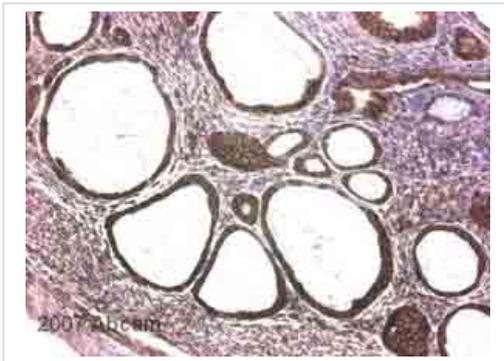
Developed using the ECL technique.

Performed under reducing conditions.

**Observed band size:** 60 kDa

**Additional bands at:** 36 kDa, 48 kDa, 58 kDa, 75 kDa. We are unsure as to the identity of these extra bands.

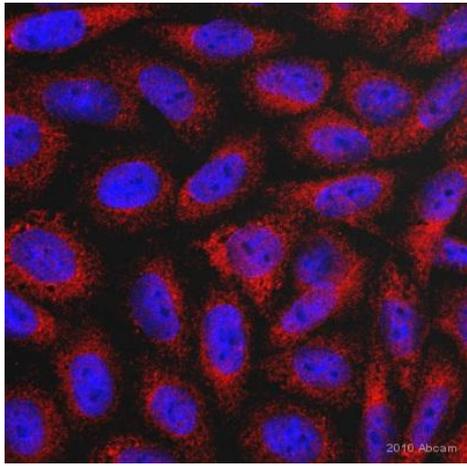
**Exposure time:** 2 minutes



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDI antibody (ab3672)

This image is courtesy of an anonymous Abreview

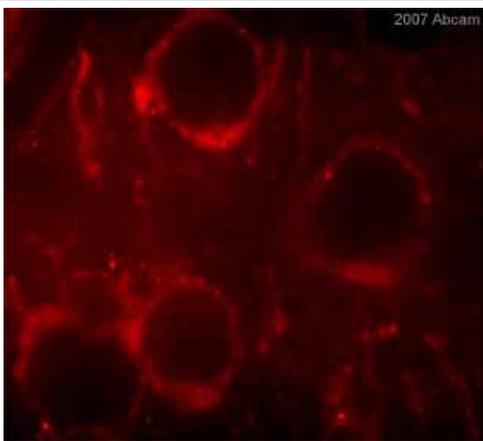
ab3672 at 1/400 staining mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step was performed in citrate buffer. The tissue was incubated with the primary antibody for 30 minutes at 22°C and then an HRP conjugated goat anti-rabbit antibody was used as the secondary.



Chinese Hamster Ovary cells stained for PDI using ab3672 at 1/200 dilution ICC/IF. Cy3<sup>®</sup>-labeled secondary antibody.

Immunocytochemistry/ Immunofluorescence - Anti-PDI antibody (ab3672)

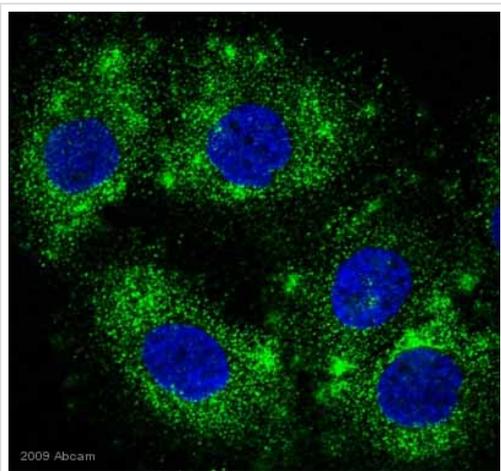
Image courtesy of an anonymous AbReview



ab3672 staining mouse cortical oligodendrocytes from vibratome sections by IHC-Fr. Sections were fixed in Somogyi (PFA + glutaraldehyde + picric acid) or PLP (Periodate-lysine-PFA) and permeabilized in TX-100, prior to blocking with 2.5% serum for 2 hours at 25°C. The primary antibody was diluted 1/1000 and incubated with the sample for 18 hours at 25°C. A TRITC conjugated pig anti-rabbit IgG antibody, diluted 1/1000, was used as the secondary.

Immunohistochemistry (Frozen sections) - Anti-PDI antibody (ab3672)

This image is courtesy of an Abreview submitted by Dr Guillermo Estivill-Torres



ab3672 staining PDI - ER in human HaCaT Keratinocyte by ICC/IF. The cells were paraformaldehyde fixed, permeabilized in 0.25% triton X-100 buffer and blocked in 2.5% BSA plus 1% goat serum for 1 hour at 4°C. The primary antibody was diluted 1/100 and incubated with sample for 1 hour at 24°C. An Alexa Fluor® 488 conjugated goat polyclonal to rabbit IgG, diluted 1/1000 was used as secondary.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDI antibody (ab3672)

This image is courtesy of an anonymous Abreview

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