

### Anti-ENTPD5 antibody [EPR3784] ab108603

リコンビナント **RabMAb**

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#### 製品の概要

製品名	Anti-ENTPD5 antibody [EPR3784]
製品の詳細	Rabbit monoclonal [EPR3784] to ENTPD5
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P <b>適用なし:</b> Flow Cyt or ICC/IF
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as <a href="#">ab190069</a> )
ポジティブ・コントロール	Fetal liver cell lysate; Human kidney tissue
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> . 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> .

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
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	Tissue culture supernatant
ポリ/モノ	モノクローナル

クローン名                   EPR3784  
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ab108603の使用に適用されず**  
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		1/1000 - 1/10000. Detects a band of approximately 47 kDa (predicted molecular weight: 48 kDa). Can be blocked with <b>ENTPD5 peptide (ab190069)</b> .
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval is recommended.

**追加情報**                                 Is unsuitable for Flow Cyt or ICC/IF.

#### ターゲット情報

**機能**   Uridine diphosphatase (UDPase) that promotes protein N-glycosylation and ATP level regulation. UDP hydrolysis promotes protein N-glycosylation and folding in the endoplasmic reticulum, as well as elevated ATP consumption in the cytosol via an ATP hydrolysis cycle. Together with CMPK1 and AK1, constitutes an ATP hydrolysis cycle that converts ATP to AMP and results in a compensatory increase in aerobic glycolysis. Also hydrolyzes GDP and IDP but not any other nucleoside di-, mono- or triphosphates, nor thiamine pyrophosphate. Plays a key role in the AKT1-PTEN signaling pathway by promoting glycolysis in proliferating cells in response to phosphoinositide 3-kinase (PI3K) signaling.

**組織特異性**                                 Expressed in adult liver, kidney, prostate, testis and colon. Much weaker expression in other tissues.

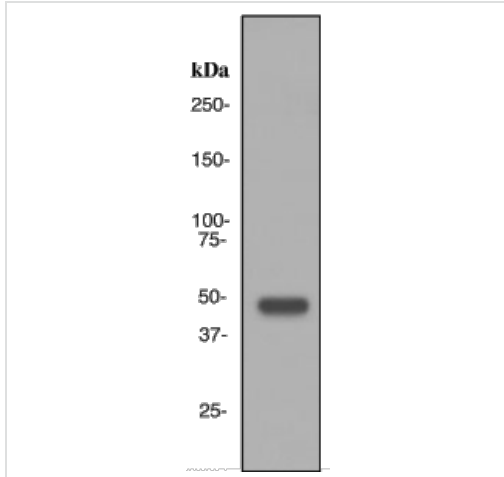
**パスウェイ**                                 Protein modification; protein glycosylation.

**配列類似性**                                 Belongs to the GDA1/CD39 NTPase family.

**翻訳後修飾**                                 N-glycosylated; high-mannose type.

**細胞内局在**                                 Endoplasmic reticulum lumen.

#### 画像



Western blot - Anti-ENTPD5 antibody [EPR3784]  
(ab108603)

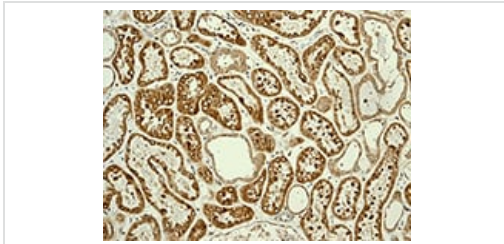
Anti-ENTPD5 antibody [EPR3784] (ab108603) at 1/1000 dilution + fetal liver cell lysate at 10  $\mu$ g

### Secondary

HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 48 kDa

**Observed band size:** 47 kDa







Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ENTPD5 antibody [EPR3784] (ab108603)

ab108603, at 1/100 dilution, staining ENTDP5 in paraffin-embedded Human kidney tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-ENTPD5 antibody [EPR3784] (ab108603)

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

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