

# Anti-HGD antibody [EPR7874] ab131035

リコンビナント RabMAb<sup>®</sup>

## 2 References [画像数 4](#)

### 製品の概要

製品名	Anti-HGD antibody [EPR7874]
製品の詳細	Rabbit monoclonal [EPR7874] to HGD
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P, ICC/IF <b>適用なし:</b> Flow Cyt
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide within Human HGD aa 400-500 (C terminal). The exact sequence is proprietary.
ポジティブ・コントロール	Caco-2, HepG2, and Human fetal liver lysates; Human kidney tissue; HepG2 cells
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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

### 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	Protein A purified
ポリ/モノ	モノクローナル

クローン名                   EPR7874  
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ab131035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		1/1000 - 1/10000. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.

**追加情報**                           Is unsuitable for Flow Cyt.

#### ターゲット情報

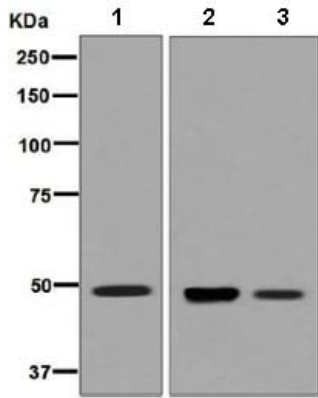
**組織特異性**                       Highest expression in the prostate, small intestine, colon, kidney and liver.

**パスウェイ**                       Amino-acid degradation; L-phenylalanine degradation; acetoacetate and fumarate from L-phenylalanine: step 4/6.

**関連疾患**                         Defects in HGD are the cause of alkaptonuria (AKU) [MIM:203500]. AKU is an autosomal recessive error of metabolism characterized by an increase in the level of homogentisic acid. The clinical manifestations of AKU are urine that turns dark on standing and alkalization, black ochronotic pigmentation of cartilage and collagenous tissues, and spine arthritis.

**配列類似性**                       Belongs to the homogentisate dioxygenase family.

#### 画像



Western blot - Anti-HGD antibody [EPR7874] (ab131035)

**All lanes** : Anti-HGD antibody [EPR7874] (ab131035) at 1/1000 dilution

**Lane 1** : Caco-2 cell lysate

**Lane 2** : HepG2 cell lysate

**Lane 3** : Human fetal liver tissue lysate

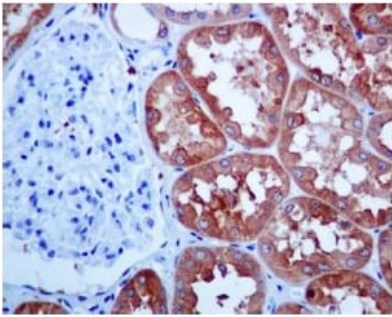
Lysates/proteins at 10 µg per lane.

**Secondary**

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

**Predicted band size:** 50 kDa

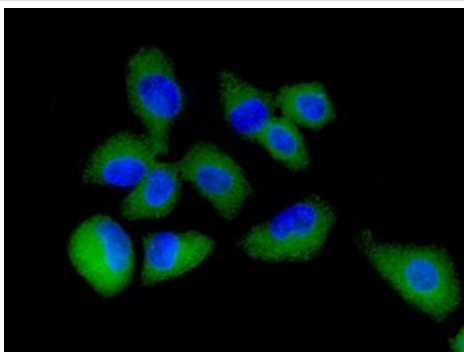
**Observed band size:** 50 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HGD antibody [EPR7874] (ab131035)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labelling HGD with ab131035 antibody at 1/100 dilution.

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



Immunocytochemistry/ Immunofluorescence - Anti-HGD antibody [EPR7874] (ab131035)

Immunofluorescence analysis of HepG2 cells labelling HGD with ab131035 antibody at 1/100 dilution.

### 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-HGD antibody [EPR7874] (ab131035)

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

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