abcam

Product datasheet

Anti-HGD antibody [EPR7874] - BSA and Azide free ab248354



重组 RabMAb

4 图像

概述

产品名称 Anti-HGD抗体[EPR7874] - BSA and Azide free

描述 兔单克隆抗体[EPR7874] to HGD - BSA and Azide free

宿主 Rabbit

适用于: WB, IHC-P, ICC/IF 经测试应用

不适用于: Flow Cyt

与反应: Human 种属反应性

免疫原 Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

常规说明 ab248354 is the carrier-free version of ab131035.

> Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cellbased assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb**® **patents**.

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

性能

形式 Liquid

存放说明 Shipped at 4°C. Store at +4°C. Do Not Freeze.

存储溶液 pH: 7.2

Constituent: PBS

无载体 **是**

纯**度** Protein A purified

同种型 lgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab248354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		Use at an assay dependent concentration. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.

应用说明 Is unsuitable for Flow Cyt.

靶标

组织**特异性** Highest expression in the prostate, small intestine, colon, kidney and liver.

通路 Amino-acid degradation; L-phenylalanine degradation; acetoacetate and fumarate from L-

phenylalanine: step 4/6.

疾病相关 Defects in HGD are the cause of alkaptonuria (AKU) [MIM:203500]. AKU is an autosomal

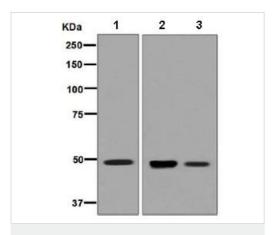
recessive error of metabolism characterized by an increase in the level of homogentisic acid. The

clinical manifestations of AKU are urine that turns dark on standing and alkalinization, black

ochronotic pigmentation of cartilage and collagenous tissues, and spine arthritis.

序列相似性 Belongs to the homogentisate dioxygenase family.

图片



Western blot - Anti-HGD antibody [EPR7874] - BSA and Azide free (ab248354)

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

Lane 1 : Caco-2 cell lysate
Lane 2 : HepG2 cell lysate

Lane 3: Human fetal liver tissue lysate

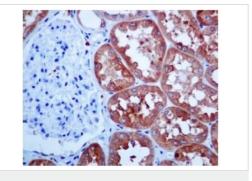
Lysates/proteins at 10 µg per lane.

Secondary

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

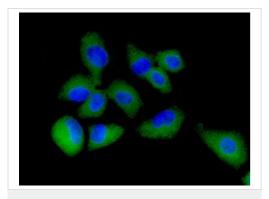
Predicted band size: 50 kDa **Observed band size:** 50 kDa

This data was developed using <u>ab131035</u>, the same antibody clone in a different buffer formulation.

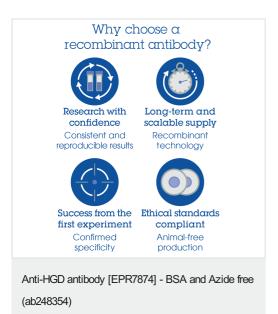


Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections) - Anti-HGD antibody [EPR7874] - BSA and Azide free (ab248354)

This data was developed using <u>ab131035</u>, the same antibody clone in a different buffer formulation.lmmunohistochemical analysis of paraffin-embedded Human kidney tissue labelling HGD with <u>ab131035</u> 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] - BSA and Azide free (ab248354) This data was developed using <u>ab131035</u>, the same antibody clone in a different buffer formulation.lmmunofluorescence analysis of HepG2 cells labelling HGD with <u>ab131035</u> antibody at 1/100 dilution.



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

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