


Product datasheet

Anti-Glucosidase 2 subunit beta antibody [EPR8046] ab134071

KO VALIDATED Recombinant RabMAB[®]

[2 References](#) [4 Images](#)

Overview

Product name	Anti-Glucosidase 2 subunit beta antibody [EPR8046]
Description	Rabbit monoclonal [EPR8046] to Glucosidase 2 subunit beta
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human Glucosidase 2 subunit beta aa 1-100 (N terminal). The exact sequence is proprietary.
Positive control	HEK293T, Daudi, HeLa, Jurkat and A431 cell lysates; Human kidney tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - 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 .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR8046
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab134071 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

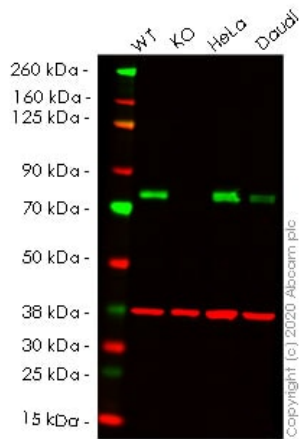
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 80 kDa (predicted molecular weight: 59 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt or ICC/IF.

Target

Function	Regulatory subunit of glucosidase II.
Pathway	Glycan metabolism; N-glycan metabolism.
Involvement in disease	Defects in PRKCSH are a cause of polycystic liver disease (PCLD) [MIM:174050]. PCLD is an autosomal dominant disorder and is characterized by the presence of multiple liver cysts of biliary epithelial origin. PCLD is a distinct clinical and genetic entity that can occur independently from autosomal dominant polycystic kidney disease (ADPKD) [MIM:173900], which in a considerable but uncertain proportion of cases is associated with hepatic cysts.
Sequence similarities	Contains 2 EF-hand domains. Contains 1 PRKCSH domain.
Cellular localization	Endoplasmic reticulum.

Images



Western blot - Anti-Glucosidase 2 subunit beta antibody [EPR8046] (ab134071)

All lanes : Anti-Glucosidase 2 subunit beta antibody [EPR8046] (ab134071) at 1/1000 dilution

Lane 1 : Wild-type HEK-293T cell lysate

Lane 2 : PRKCSH knockout HEK-293T cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : Daudi cell lysate

Lysates/proteins at 20 µg per lane.

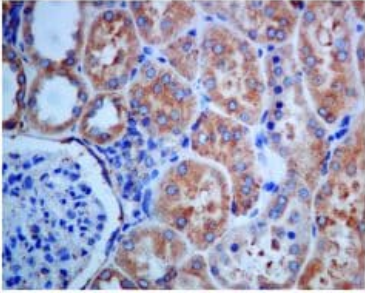
Performed under reducing conditions.

Predicted band size: 59 kDa

Observed band size: 80 kDa

Lanes 1-4: Merged signal (red and green). Green - ab134071 observed at 80 kDa. Red - Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) observed at 37 kDa.

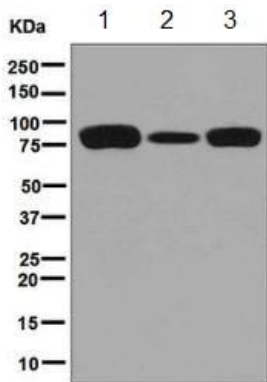
ab134071 was shown to react with PRKCSH in wild-type HEK-293T cells in western blot. Loss of signal was observed when knockout cell line [ab266770](#) (knockout cell lysate [ab257608](#)) was used. Wild-type HEK-293T and PRKCSH knockout HEK-293T cell lysates were subjected to SDS-PAGE. Membrane was blocked for 1 hour at room temperature in 0.1% TBST with 3% non-fat dried milk. ab134071 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) overnight at 4°C at a 1 in 1000 dilution and a 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye®800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye®680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glucosidase 2 subunit beta antibody [EPR8046] (ab134071)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labelling Glucosidase 2 subunit beta with ab134071 at 1/100 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-Glucosidase 2 subunit beta antibody [EPR8046] (ab134071)

All lanes : Anti-Glucosidase 2 subunit beta antibody [EPR8046] (ab134071) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : A431 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 59 kDa

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-Glucosidase 2 subunit beta antibody [EPR8046] (ab134071)

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

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