


Anti-HIP2/LIG antibody [EP1145Y] ab52930

KO 評価済 リコンビナント RabMAb

★★★★☆ 1 Abreviews 3 References 画像数 5

製品の概要

製品名	Anti-HIP2/LIG antibody [EP1145Y]
製品の詳細	Rabbit monoclonal [EP1145Y] to HIP2/LIG
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P 適用なし: Flow Cyt or ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthetic peptide within Human HIP2/LIG aa 150-250 (internal sequence). The exact sequence is proprietary.
ポジティブ・コントロール	WB: HCT116, HeLa, Jurkat and Daudi cell lysates. IHC-P: Human liver tissue.
特記事項	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 .

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP1145Y

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ab52930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		1/100000. Detects a band of approximately 24 kDa (predicted molecular weight: 22 kDa).
IHC-P	★★★★★ (1)	1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

追加情報

Is unsuitable for Flow Cyt or ICC/IF.

ターゲット情報

機能

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro, in the presence or in the absence of BRCA1-BARD1 E3 ubiquitin-protein ligase complex, catalyzes the synthesis of 'Lys-48'-linked polyubiquitin chains. Does not transfer ubiquitin directly to but elongates monoubiquitinated substrate protein. Mediates the selective degradation of short-lived and abnormal proteins, such as the endoplasmic reticulum-associated degradation (ERAD) of misfolded luminal proteins. Ubiquitinates huntingtin. May mediate foam cell formation by the suppression of apoptosis of lipid-bearing macrophages through ubiquitination and subsequent degradation of p53/TP53. Proposed to be involved in ubiquitination and proteolytic processing of NF-kappa-B; in vitro supports ubiquitination of NFkB1. In case of infection by cytomegaloviruses may be involved in the US11-dependent degradation of MHC class I heavy chains following their export from the ER to the cytosol. In case of viral infections may be involved in the HPV E7 protein-dependent degradation of RB1.

組織特異性

Expressed in all tissues tested, including spleen, thymus, prostate, testis, ovary, small intestine, colon, peripheral blood leukocytes, T-lymphocytes, monocytes, granulocytes and bone marrow mononuclear cells. Highly expressed in brain, with highest levels found in cortex and striatum and at lower levels in cerebellum and brainstem.

パスウェイ

Protein modification; protein ubiquitination.

配列類似性

Belongs to the ubiquitin-conjugating enzyme family.
 Contains 1 UBA domain.

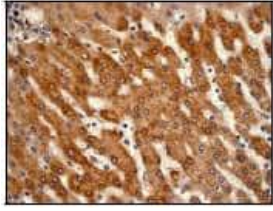
翻訳後修飾

Sumoylation at Lys-14 impairs catalytic activity.

細胞内局在

Cytoplasm.

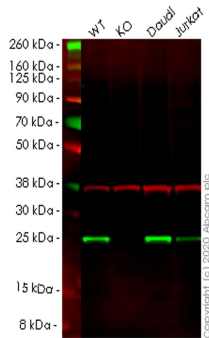
画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HIP2/LIG antibody [EP1145Y] (ab52930)

Ab52930 (1:250) staining human HIP2/LIG in human liver tissue by immunohistochemistry using paraffin embedded tissue.

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



Western blot - Anti-HIP2/LIG antibody [EP1145Y] (ab52930)

All lanes : Anti-HIP2/LIG antibody [EP1145Y] (ab52930) at 1/1000 dilution

Lane 1 : Wild-type HCT116 cell lysate

Lane 2 : UBE2K knockout HCT116 cell lysate

Lane 3 : Daudi cell lysate

Lane 4 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) at 1/10000 dilution

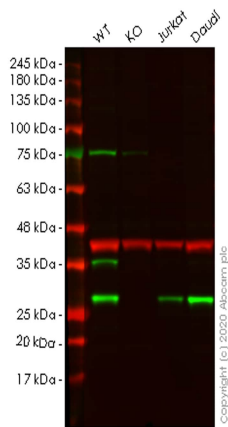
Predicted band size: 22 kDa

Observed band size: 25 kDa

Lanes 1-4: Merged signal (red and green). Green - ab52930 observed at 25 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

ab52930 Anti-HIP2/LIG antibody [EP1145Y] was shown to specifically react with HIP2/LIG in wild-type HCT116 cells. Loss of signal was observed when knockout cell line [ab266899](#) (knockout cell lysate [ab257779](#)) was used. Wild-type and HIP2/LIG knockout samples were subjected to SDS-PAGE. ab52930 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at 1 in 1000 dilution and 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.



Western blot - Anti-HIP2/LIG antibody [EP1145Y] (ab52930)

All lanes : Anti-HIP2/LIG antibody [EP1145Y] (ab52930) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : UBE2K knockout HeLa cell lysate

Lane 3 : Jurkat cell lysate

Lane 4 : Daudi cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

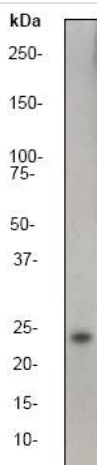
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) at 1/10000 dilution

Predicted band size: 22 kDa

Observed band size: 26 kDa

Lanes 1-4: Merged signal (red and green). Green - ab52930 observed at 26 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

ab52930 Anti-HIP2/LIG antibody [EP1145Y] was shown to specifically react with HIP2/LIG in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab266031](#) (knockout cell lysate [ab257778](#)) was used. Wild-type and HIP2/LIG knockout samples were subjected to SDS-PAGE. ab52930 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at 1 in 1000 dilution and 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.



Anti-HIP2/LIG antibody [EP1145Y] (ab52930) at 1/100000 dilution
+ Daudi cell lysate at 10 µg

Secondary

Goat anti-Rabbit HRP labeled at 1/2000 dilution

Predicted band size: 22 kDa

Observed band size: 24 kDa

Western blot - Anti-HIP2/LIG antibody [EP1145Y]
(ab52930)

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-HIP2/LIG antibody [EP1145Y] (ab52930)

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

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