abcam

Product datasheet

Anti-SKP2 antibody [EPR3305(2)] ab183039

KO 評価済 リコンビナント RabMAb

1 Abreviews 10 References 画像数 6

製品の概要

製品名	Anti-SKP2 antibody [EPR3305(2)]
製品の詳細	Rabbit monoclonal [EPR3305(2)] to SKP2
由来種	Rabbit
アプリケーション	**適用あり:** Flow Cyt (Intra), ICC/IF, IHC-P, WB
種交差性	**交差種:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: C6, NIH/3T3, F9, A549, MDA-MB-231, Jurkat, MCF7, HepG2, and NCCIT cell lysates. ICC: 293T cells
特記事項	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**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR3305(2)
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ab183039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
Flow Cyt (Intra)		1/70. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF	★★★☆☆ (1)	1/100.
IHC-P		1/50. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/200. Detects a band of approximately 48 kDa (predicted molecular weight: 48 kDa).

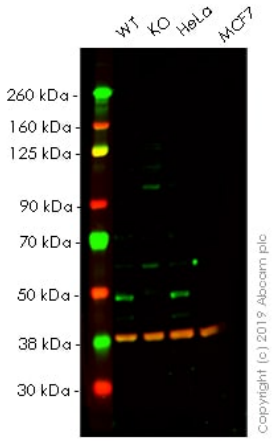
ターゲット情報

機能 Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins involved in cell cycle progression, signal transduction and transcription. Specifically recognizes phosphorylated CDKN1B/p27kip and is involved in regulation of G1/S transition. Degradation of CDKN1B/p27kip also requires CKS1. Recognizes target proteins ORC1, CDT1, RBL2, MLL, CDK9, RAG2, FOXO1A, UBP43, and probably MYC, TOB1 and TAL1. Degradation of TAL1 also requires STUB1. Recognizes CDKN1A in association with CCNE1 or CCNE2 and CDK2.

パスウェイ Protein modification; protein ubiquitination.

配列類似性 Contains 1 F-box domain.
Contains 9 LRR (leucine-rich) repeats.

画像



Western blot - Anti-SKP2 antibody [EPR3305(2)] (ab183039)

All lanes : Anti-SKP2 antibody [EPR3305(2)] (ab183039) at 1/200 dilution

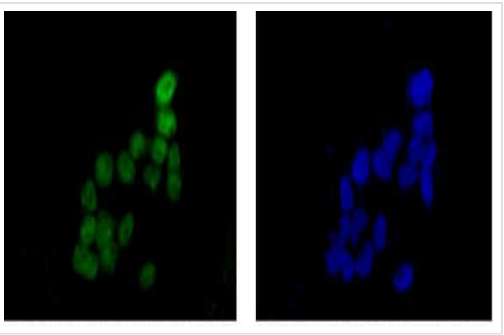
Lane 1 : Wild-type HAP1 whole cell lysate
Lane 2 : SKP2 knockout HAP1 whole cell lysate
Lane 3 : HeLa whole cell lysate
Lane 4 : MCF7 whole cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 48 kDa

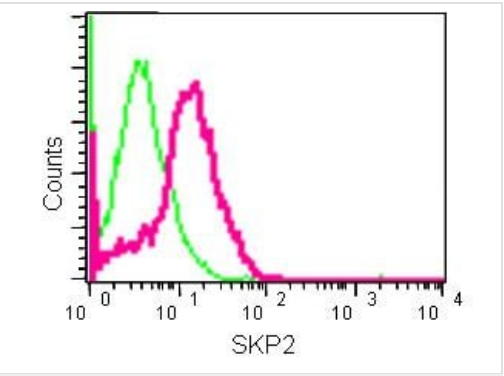
Lanes 1 - 4: Merged signal (red and green). Green - ab183039 observed at 52 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab183039 was shown to recognize in wild-type HAP1 cells as signal was lost at the expected MW in SKP2 knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and SKP2 knockout samples were subjected to SDS-PAGE. The membrane was blocked with 3% NF Milk. Ab183039 and **ab8245** (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/200 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



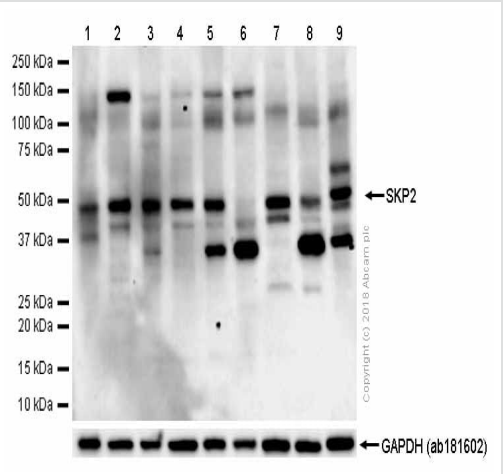
Immunocytochemistry/ Immunofluorescence - Anti-SKP2 antibody [EPR3305(2)] (ab183039)

Immunofluorescenct analysis of 4% paraformaldehyde fixed 293T cells labeling SKP2 with ab183039 at 1/100 followed by Goat anti rabbit IgG(Alexa Fluor® 488) at 1/200 (green). Cells were counter stained with Dapi (blue).



Flow Cytometry (Intracellular) - Anti-SKP2 antibody [EPR3305(2)] (ab183039)

Intracellular flow cytometric analysis of 2% paraformaldehyde fixedHeLa cells labeling SKP2 with ab183039 at 1/70 followed byGoat anti rabbit IgG (FITC) at 1/150.Rabbit monoclonal IgG was used asIsotype control.



Western blot - Anti-SKP2 antibody [EPR3305(2)] (ab183039)

All lanes : Anti-SKP2 antibody [EPR3305(2)] (ab183039) at 1/200 dilution

Lane 1 : NCCIT (Human pluripotent embryonic carcinoma epithelial cell) whole cell lysates with 5% NFDM/TBST
Lane 2 : HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates with 5% NFDM/TBST
Lane 3 : MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysates with 5% NFDM/TBST
Lane 4 : Jurkat (Human T cell leukemia T lymphocyte) whole cell lysates with 5% NFDM/TBST
Lane 5 : MDA-MB-231 (Human breast adenocarcinoma epithelial cell) whole cell lysates with 5% NFDM/TBST
Lane 6 : A549 (Human lung carcinoma epithelial cell) whole cell lysates with 5% NFDM/TBST
Lane 7 : F9 (Mouse embryonal carcinoma epithelial cell) whole cell lysates with 5% NFDM/TBST

Lane 8 : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysates with 5% NFDM/TBST
Lane 9 : C6 (Rat glial tumor glial cell) whole cell lysate with 5% NFDM/TBST

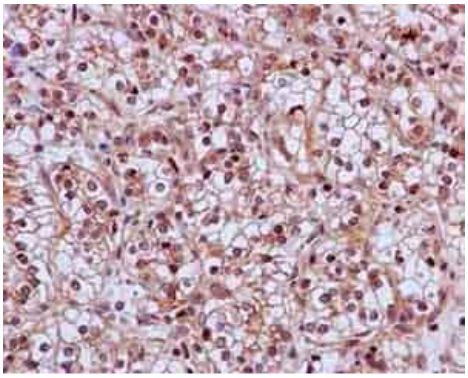
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 48 kDa

Exposure time: 180 seconds

We recommend to increase the amount of samples or decrease antibody dilution to get clear bands.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SKP2 antibody [EPR3305(2)] (ab183039)

immunohistochemical analysis of paraffin embedded Human kidney clear cell carcinoma tissue labeling SKP2 with ab183039 at 1/50 followed by secondary staining with Ready to use HRP Polymer for Rabbit IgG and counterstained with Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

Anti-SKP2 antibody [EPR3305(2)] (ab183039)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.co.jp/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors