abcam

Product datasheet

Anti-p57 Kip2 antibody [EP2516] ab119989

KO 評価済 RabMAb

1 References 画像数 2

製品の概要

製品名	Anti-p57 Kip2 antibody [EP2516]
製品の詳細	Rabbit monoclonal [EP2516] to p57 Kip2
由来種	Rabbit
アプリケーション	**適用あり:** WB **適用なし:** Flow Cyt,ICC/IF,IHC-P or IP
種交差性	**交差種:** 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: HeLa cell lysate, treated with Dexamethasone, Wild-type HeLa Treated Dexamethasone
特記事項	Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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	Tissue culture supernatant

ポリ/モノ	モノクローナル
クローン名	EP2516
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ab119989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。

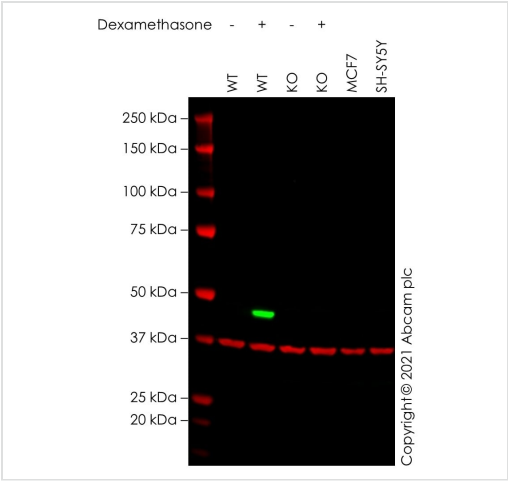
アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Detects a band of approximately 57 kDa (predicted molecular weight: 32 kDa).

追加情報	Is unsuitable for Flow Cyt,ICC/IF,IHC-P or IP.

ターゲット情報

機能	Potent tight-binding inhibitor of several G1 cyclin/CDK complexes (cyclin E-CDK2, cyclin D2-CDK4, and cyclin A-CDK2) and, to lesser extent, of the mitotic cyclin B-CDC2. Negative regulator of cell proliferation. May play a role in maintenance of the non-proliferative state throughout life.
組織特異性	Expressed in the heart, brain, lung, skeletal muscle, kidney, pancreas and testis. High levels are seen in the placenta while low levels are seen in the liver.
関連疾患	Defects in CDKN1C are a cause of Beckwith-Wiedemann syndrome (BWS) [MIM:130650]. BWS is a genetically heterogeneous disorder characterized by anterior abdominal wall defects including exomphalos (omphalocele), pre- and postnatal overgrowth, and macroglossia. Additional less frequent complications include specific developmental defects and a predisposition to embryonal tumors. Note=Defects in CDKN1C are involved in tumor formation.
配列類似性	Belongs to the CDI family.
細胞内局在	Nucleus.

画像



Western blot - Anti-p57 Kip2 antibody [EP2516] (ab119989)

All lanes : Anti-p57 Kip2 antibody [EP2516] (ab119989) at 1/1000 dilution

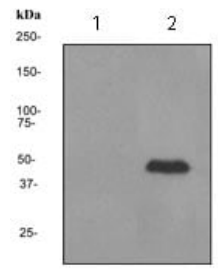
Lane 1 : Wild-type HeLa Vehicle Control Dexamethasone (0 nM, 16 h) **ab277359** cell lysate
Lane 2 : Wild-type HeLa Treated Dexamethasone (50 nM, 16 h) **ab287335** cell lysate
Lane 3 : CDKN1C knockout HeLa Vehicle Control Dexamethasone (0 nM, 16 h) **ab277299** cell lysate
Lane 4 : CDKN1C knockout HeLa Treated Dexamethasone (50 nM, 16 h) **ab281877** cell lysate
Lane 5 : MCF7 cell lysate
Lane 6 : SH-SY5Y cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 32 kDa
Observed band size: 50 kDa

False colour image of Western blot: Anti-p57 Kip2 antibody [EP2516] staining at 1/1000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] (**ab8245**) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab119989 was shown to bind specifically to p57 Kip2. A band was observed at 50 kDa in wild-type HeLa cell lysates with no signal observed at this size in CDKN1C knockout cell line **ab280061** (knockout cell lysate **ab280120**). To generate this image, wild-type and CDKN1C knockout HeLa cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in fluorescent western blot (TBS-based) blocking solution before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed (**ab216772**) at 1/20000 dilution.



Western blot - Anti-p57 Kip2 antibody [EP2516] (ab119989)

All lanes : Anti-p57 Kip2 antibody [EP2516] (ab119989) at 1/1000 dilution

Lane 1 : HeLa cell lysate, untreated

Lane 2 : HeLa cell lysate, treated with Dexamethasone

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 32 kDa

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