

Anti-p57 Kip2 antibody [EP2516] ab119989

敲除验证 RabMAb

[1 References](#) [2 图像](#)

概述

产品名称	Anti-p57 Kip2抗体[EP2516]
描述	兔单克隆抗体[EP2516] to p57 Kip2
宿主	Rabbit
经测试应用	适用于: WB 不适用于: Flow Cyt, ICC/IF, IHC-P or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa cell lysate, treated with Dexamethasone, Wild-type HeLa Treated Dexamethasone
常规说明	<p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>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.</p> <p>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</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Tissue culture supernatant

克隆	单克隆
克隆编号	EP2516
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab119989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。

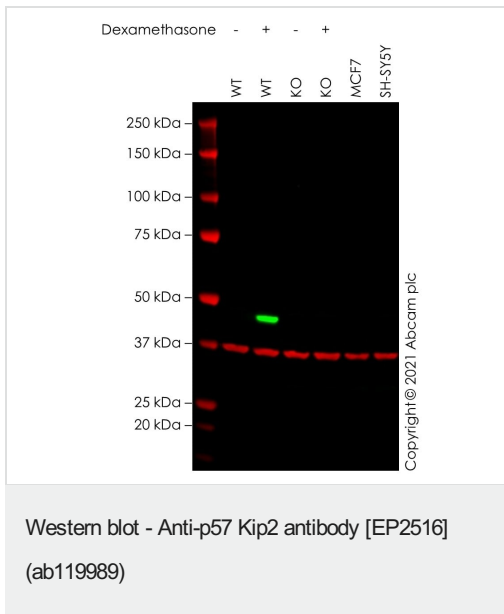
应用	Ab评论	说明
WB		1/1000 - 1/10000. Detects a band of approximately 57 kDa (predicted molecular weight: 32 kDa).

应用说明 Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

靶标

功能	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.
组织特异性	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.
疾病相关	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.
序列相似性	Belongs to the CDI family.
细胞定位	Nucleus.

图片



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

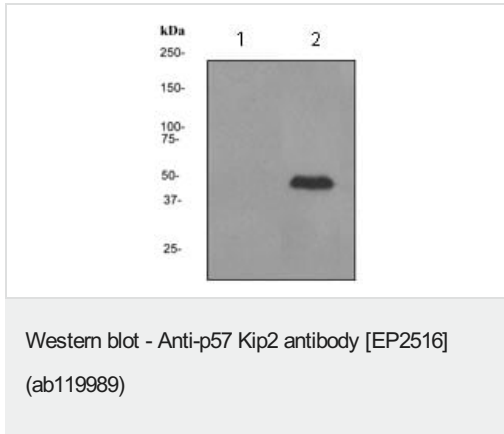
Lysates/proteins at 20 µg per lane.

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.



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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