

Anti-MDMX/MDM4 antibody ab16058

★★★★★ **1 Abreviews** **10 References** **2 图像**

概述

产品名称	Anti-MDMX/MDM4抗体
描述	兔多克隆抗体to MDMX/MDM4
宿主	Rabbit
特异性	Two bands were detected with the antibody in HeLa nuclear extract, at ~80 and 100 kDa. The 80 kDa band was no longer detected after the addition of competing peptide, suggesting that this band corresponds to MDMX/MDM4. MDMX/MDM4 has been shown previously to migrate aberrantly at an ~80 kDa size (see deGraaf, et.al., J Biol Chem. 2003 Oct 3;278(40):38315-24). The 100 kDa band is not competed away by the addition of the immunizing peptide, suggesting that it is nonspecific cross-reactivity.
经测试应用	适用于: ICC/IF, WB
种属反应性	与反应: Cow, Human
免疫原	Synthetic peptide corresponding to Human MDMX/MDM4 aa 200-300 (internal sequence) conjugated to keyhole limpet haemocyanin. (Peptide available as ab16383)
阳性对照	Recombinant Human MDMX/MDM4 protein (ab114467) can be used as a positive control in WB. This antibody gave a positive signal in the following nuclear cell extract: HeLa. This antibody gave a positive signal in the following Methanol fixed cell lines: HeLa. ICC/IF: HeLa cells
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide

Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

纯度 Immunogen affinity purified
克隆 多克隆
同种型 IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab16058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
ICC/IF	★★★★★ (1)	Use a concentration of 5 µg/ml.
WB		1/1000. Detects a band of approximately 80 kDa (predicted molecular weight: 58 kDa).

靶标

功能 Inhibits p53/TP53- and TP73/p73-mediated cell cycle arrest and apoptosis by binding its transcriptional activation domain. Inhibits degradation of MDM2. Can reverse MDM2-targeted degradation of TP53 while maintaining suppression of TP53 transactivation and apoptotic functions.

组织特异性 Expressed in all tissues tested with high levels in thymus.

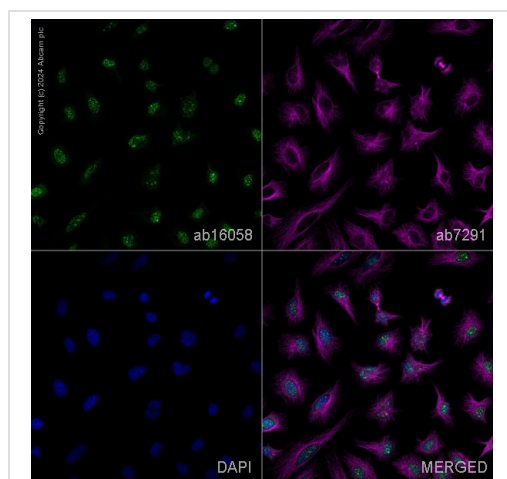
序列相似性 Belongs to the MDM2/MDM4 family.
Contains 1 RanBP2-type zinc finger.
Contains 1 RING-type zinc finger.
Contains 1 SWIB domain.

结构域 Region I is sufficient for binding TP53 and inhibiting its G1 arrest and apoptosis functions. It also binds TP73. Region II contains most of a central acidic region and a putative C4-type zinc finger. The RING finger domain which coordinates two molecules of zinc mediates the heterooligomerization with MDM2.

翻译后修饰 Ubiquitinated. Deubiquitinated by USP2; leading to stabilize it.

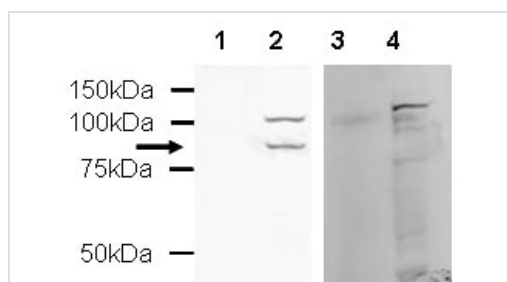
细胞定位 Nucleus.

图片



Immunocytochemistry/ Immunofluorescence - Anti-MDMX/MDM4 antibody (ab16058)

ab16058 staining MDMX/MDM4 in HeLa cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab16058 at 5µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue). Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Western blot - Anti-MDMX/MDM4 antibody (ab16058)

All lanes : Anti-MDMX/MDM4 antibody (ab16058) at 1/1000 dilution

Lane 1 : 20ug calf thymus histone

Lane 2 : 20ug HeLa nuclear extract

Lane 3 : 20ug calf thymus histone with Human MDMX/MDM4 peptide (**ab16383**) at 1 µg/ml

Lane 4 : 20ug HeLa nuclear extract with Human MDMX/MDM4 peptide (**ab16383**) at 1 µg/ml

Secondary

All lanes : Alexa Fluor Goat polyclonal to Rabbit IgG (700) at 1/5000 dilution

Performed under reducing conditions.

Predicted band size: 58 kDa

Observed band size: 80 kDa

Additional bands at: 100 kDa (possible cross reactivity)

Two bands were detected with the antibody in HeLa nuclear extract, at ~80 and 100 kDa. The 80 kDa band was no longer detected after the addition of competing peptide, suggesting that this band

corresponds to MDMX/MDM4. The 100 kDa band is not competed away by the addition of the immunizing peptide, suggesting that it is nonspecific cross-reactivity.

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