

### Anti-p73 antibody [EP436Y] ab40658

**重组** RabMAb

★★★★★ **1 Abreviews** **58 References** **10 图像**

#### 概述

产品名称	Anti-p73抗体[EP436Y]
描述	兔单克隆抗体[EP436Y] to p73
宿主	Rabbit
经测试应用	<b>适用于:</b> WB, Flow Cyt (Intra), ICC/IF, IHC-P <b>不适用于:</b> IP
种属反应性	<b>与反应:</b> Mouse, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa, Jurkat, HEK293 and NIH/3T3 cell lysates. IHC-P: Human urinary bladder carcinoma, human kidney, human liver carcinoma and mouse testis tissues. ICC/IF: HeLa cells.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### 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. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EP436Y

同种型

IgG

应用

The Abpromise guarantee

**Abpromise™**承诺保证使用ab40658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		1/500 - 1/2000. Detects a band of approximately 63 kDa (predicted molecular weight: 70 kDa).
Flow Cyt (Intra)		Use at an assay dependent concentration.
ICC/IF		1/150 - 1/300.
IHC-P		1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <b><u>IHC antigen retrieval protocols</u></b> .

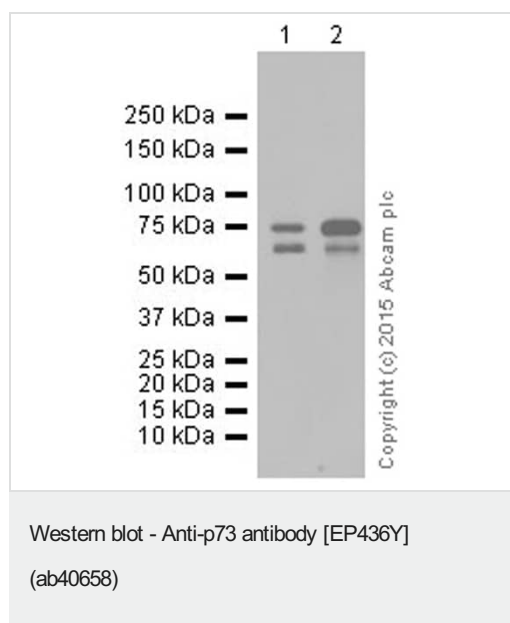
应用说明

Is unsuitable for IP.

靶标

功能	Participates in the apoptotic response to DNA damage. Isoforms containing the transactivation domain are pro-apoptotic, isoforms lacking the domain are anti-apoptotic and block the function of p53 and transactivating p73 isoforms. May be a tumor suppressor protein.
组织特异性	Expressed in striatal neurons of patients with Huntington disease (at protein level). Brain, kidney, placenta, colon, heart, liver, spleen, skeletal muscle, prostate, thymus and pancreas. Highly expressed in fetal tissue.
序列相似性	Belongs to the p53 family. Contains 1 SAM (sterile alpha motif) domain.
结构域	Possesses an acidic transactivation domain, a central DNA binding domain and a C-terminal oligomerization domain that binds to the ABL tyrosine kinase SH3 domain. The WW-binding motif mediates interaction with WWOX.
翻译后修饰	Isoform alpha (but not isoform beta) is sumoylated on Lys-627, which potentiates proteasomal degradation but does not affect transcriptional activity. Higher levels of phosphorylation seen in the brain from patients with Huntington disease. Ubiquitinated; leading to its degradation by the proteasome.
细胞定位	Nucleus. Accumulates in the nucleus in response to DNA damage.

图片



**All lanes :** Anti-p73 antibody [EP436Y] (ab40658) at 1/5000 dilution (purified)

**Lane 1 :** HeLa whole cell lysate

**Lane 2 :** HEK293 whole cell lysate

Lysates/proteins at 10 µg per lane.

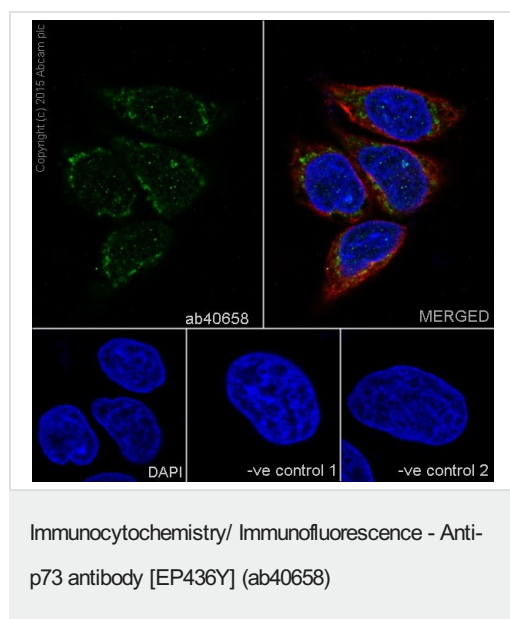
### Secondary

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

**Predicted band size:** 70 kDa

**Observed band size:** 60,75 kDa

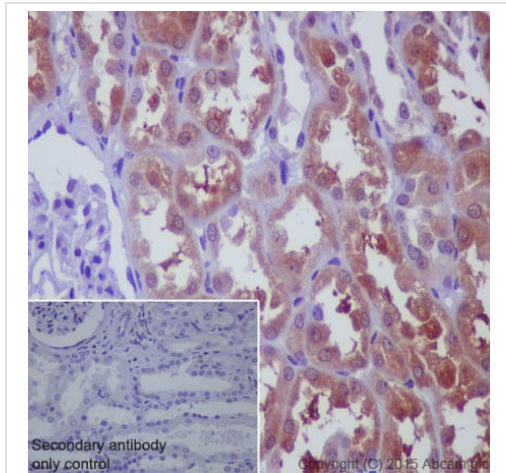
Blocking and dilution buffer: 5% NFDM/TBST.



Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling p73 with purified ab40658 at a dilution of 1/300. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain. **ab7291**, a mouse anti-tubulin (1/1000) and **ab150120**, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/1000) were also used.

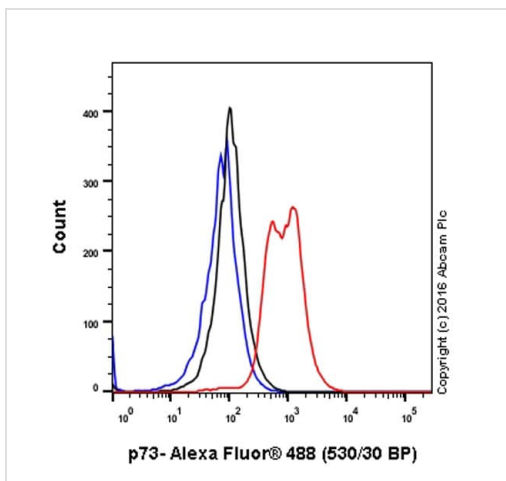
Control 1: primary antibody (1/300) and secondary antibody, **ab150120**, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/1000).

Control 2: **ab7291** (1/1000) and secondary antibody, **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000).



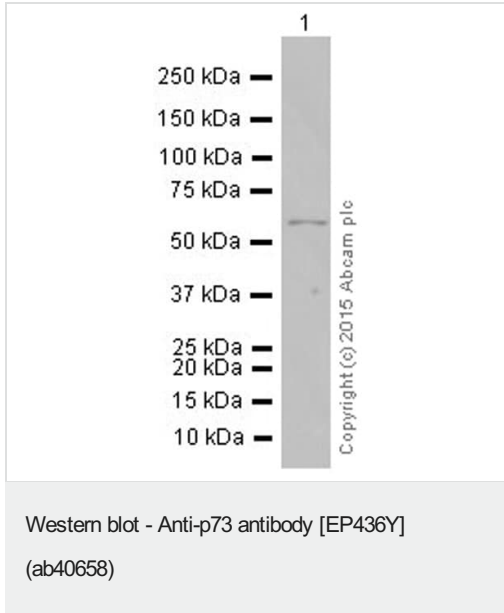
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling p73 with purified ab40658 at a dilution of 1/100. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p73 antibody [EP436Y] (ab40658)



Intracellular Flow Cytometry analysis of 293 (human embryonic kidney) cells labeling p73 with purified ab40658 at 1/120 dilution (10ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) was used as the unlabeled control.

Flow Cytometry (Intracellular) - Anti-p73 antibody [EP436Y] (ab40658)



Anti-p73 antibody [EP436Y] (ab40658) at 1/1000 dilution (purified)  
+ NIH/3T3 whole cell lysate at 10 µg

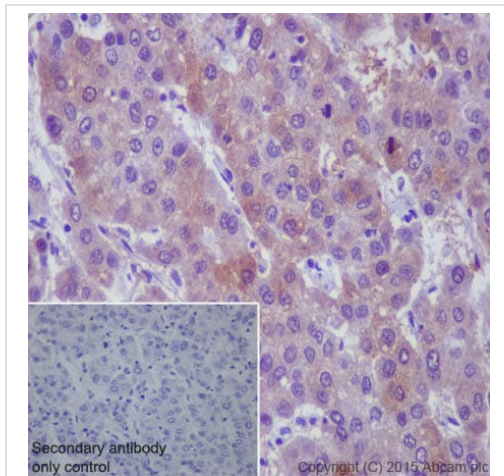
### Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

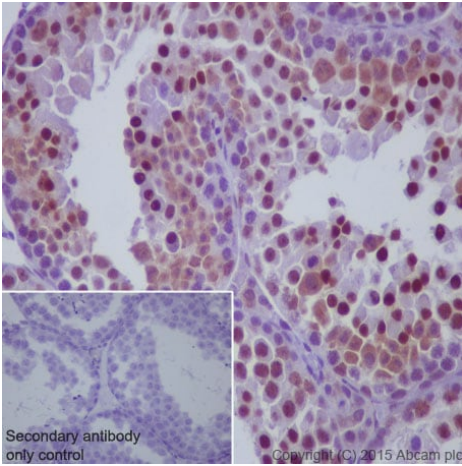
**Predicted band size:** 70 kDa

**Observed band size:** 60 kDa

Blocking and dilution buffer: 5% NFDM/TBST.

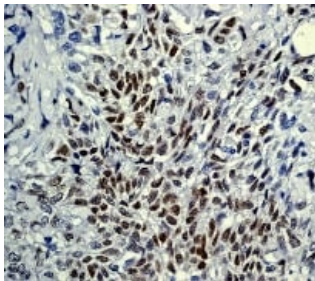


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver carcinoma tissue labelling p73 with purified ab40658 at a dilution of 1/100. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. [ab97051](#), a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p73 antibody [EP436Y] (ab40658)

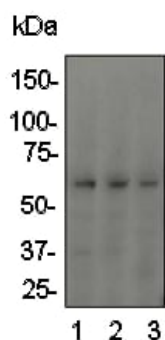
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse testis tissue labelling p73 with purified ab40658 at a dilution of 1/100. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p73 antibody [EP436Y] (ab40658)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human urinary bladder carcinoma tissue labelling p73 with unpurified ab40658 at a dilution of 1/100.

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



Western blot - Anti-p73 antibody [EP436Y] (ab40658)

**All lanes :** Anti-p73 antibody [EP436Y] (ab40658) at 1/2000 dilution (unpurified)

**Lane 1 :** HeLa cell lysate

**Lane 2 :** Jurkat cell lysate

**Lane 3 :** NIH/3T3 cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 70 kDa

**Observed band size:** 63 kDa

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-p73 antibody [EP436Y] (ab40658)

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

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