


Anti-PHAP1 antibody ab5992

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概述

产品名称	Anti-PHAP1抗体
描述	兔多克隆抗体to PHAP1
宿主	Rabbit
特异性	This antibody does not cross-react with PHAP12a or PHAP111.
经测试应用	适用于: ICC/IF, WB
种属反应性	与反应: Human 预测可用于: Rat 
免疫原	Synthetic peptide corresponding to Human PHAP1. (Peptide available as ab6241)
阳性对照	WB: Daudi, HeLa, HepG2, K562 and Raji cell lysates. ICC/IF: Raji cells
常规说明	<p>Apoptosis is related to many diseases and development. Caspase-9 plays a central role in cell death induced by a variety of apoptosis activators. Cytochrome c, after released from mitochondria, binds to Apaf-1, which forms an apoptosome that in turn binds to and activate procaspase-9. Activated caspase-9 cleaves and activates the effector caspases (caspase-3, -6 and -7), which are responsible for the proteolytic cleavage of many key proteins in apoptosis. The tumor suppressor putative HLA-DR-associated proteins (PHAPs) were recently identified as important regulators of mitochondrion apoptosis. PHAP appears to facilitate apoptosome-mediated caspase-9 activation and to stimulate the mitochondrial apoptotic pathway. PHAP was also shown to oppose both Ras- and Myc-mediated cell transformation.</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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze /

	thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
纯度	DEAE-Chromatography
Primary antibody说明	Apoptosis is related to many diseases and development. Caspase-9 plays a central role in cell death induced by a variety of apoptosis activators. Cytochrome c, after released from mitochondria, binds to Apaf-1, which forms an apoptosome that in turn binds to and activate procaspase-9. Activated caspase-9 cleaves and activates the effector caspases (caspase-3, -6 and -7), which are responsible for the proteolytic cleavage of many key proteins in apoptosis. The tumor suppressor putative HLA-DR-associated proteins (PHAPs) were recently identified as important regulators of mitochondrion apoptosis. PHAP appears to facilitate apoptosome-mediated caspase-9 activation and to stimulate the mitochondrial apoptotic pathway. PHAP was also shown to oppose both Ras- and Myc-mediated cell transformation.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab5992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		Use a concentration of 2 µg/ml.
WB		Use a concentration of 0.5 - 2 µg/ml. Detects a band of approximately 32 kDa.

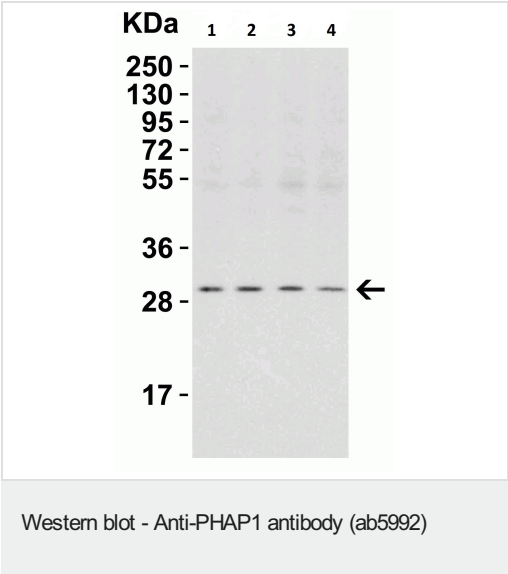
靶标

功能	Implicated in a number of cellular processes, including proliferation, differentiation, caspase-dependent and caspase-independent apoptosis, suppression of transformation (tumor suppressor), inhibition of protein phosphatase 2A, regulation of mRNA trafficking and stability in association with ELAVL1, and inhibition of acetyltransferases as part of the INHAT (inhibitor of histone acetyltransferases) complex. Plays a role in E4F1-mediated transcriptional repression.
组织特异性	Expressed in all tissues tested. Highly expressed in kidney and skeletal muscle, moderate levels of expression in brain, placenta and pancreas, and weakly expressed in lung. Found in all regions of the brain examined (amygdala, caudate nucleus, corpus callosum, hippocampus and thalamus), with highest levels in amygdala.
序列相似性	Belongs to the ANP32 family. Contains 4 LRR (leucine-rich) repeats. Contains 1 LRRCT domain.
翻译后修饰	Phosphorylated on serine residues. The N-terminus is blocked. Some glutamate residues are glycyalted by TTLL8. This modification occurs exclusively on glutamate residues and results in a glycine chain on the gamma-carboxyl group.

细胞定位

Nucleus. Cytoplasm. Endoplasmic reticulum. Translocates to the cytoplasm during the process of neuritogenesis (By similarity). Shuttles between nucleus and cytoplasm.

图片

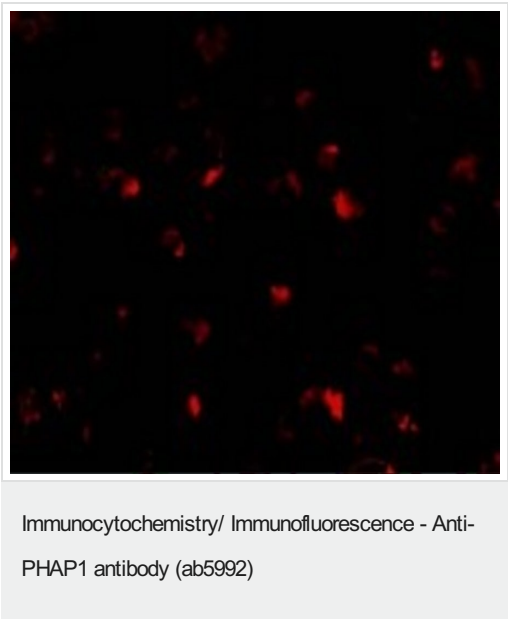


All lanes : Anti-PHAP1 antibody (ab5992) at 2 µg/ml

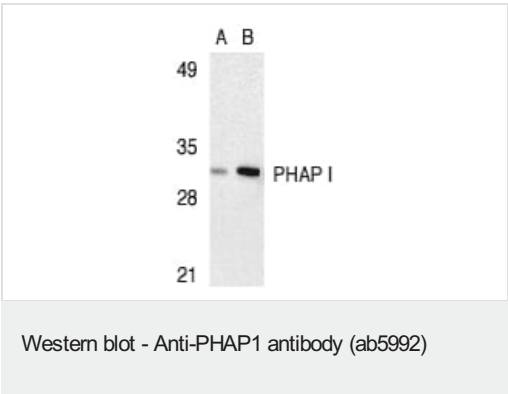
Lane 1 : Daudi cell lysates
Lane 2 : HeLa cell lysates
Lane 3 : HepG2 cell lysates
Lane 4 : K562 cell lysates

Lysates/proteins at 15 µg per lane.

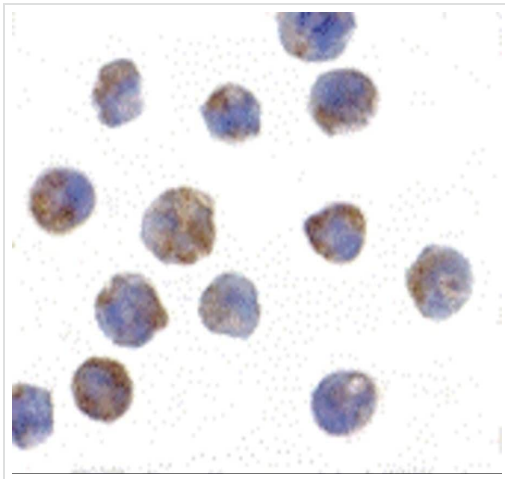
Secondary
All lanes : Goat anti-rabbit IgG HRP conjugate at 1/10000 dilution



Immunofluorescent analysis of 4% paraformaldehyde-fixed Raji Cells labeling PHAP I with ab5992 at 10 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).



Western blot analysis of PHAP I expression in human Raji cell lysate with anti-PHAP I at 2 µg/ml (lane A) and 4 µg/ml (lane B), respectively. Western blot analysis of PHAP I expression in human Raji cell lysate with anti-PHAP I at 2 µg/ml (lane A) and 4 µg/ml (lane B), respectively.



Immunocytochemistry/ Immunofluorescence - Anti-PHAP1 antibody (ab5992)

Immunocytochemical analysis of Raji cells labeling PHAP1 with ab5992 at 2 µg/mL. Cells were fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4 °C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

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