




Anti-IKK beta antibody ab97406

5 References [4 图像](#)

概述

产品名称	Anti-IKK beta抗体
描述	兔多克隆抗体to IKK beta
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, ICC/IF
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Cow, Pig, Monkey 
免疫原	Recombinant fragment corresponding to Human IKK beta aa 450-750.  Run BLAST with ExPASy  Run BLAST with NCBI
阳性对照	WB: Whole cell extract of DDDDK-human IKBKB-transfected 293T cells. IHC-: Human colon carcinoma tissue. ICC/IF: A431 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. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
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ab97406于以下的经测试应用

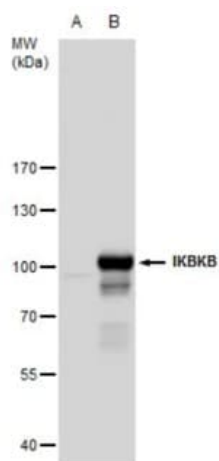
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/100 - 1/1000.
WB		1/500 - 1/3000. Predicted molecular weight: 87 kDa.
ICC/IF		1/100 - 1/1000.

靶标

功能	Acts as part of the IKK complex in the conventional pathway of NF-kappa-B activation and phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. Also phosphorylates NCOA3.
组织特异性	Highly expressed in heart, placenta, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis and peripheral blood.
序列相似性	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. I-kappa-B kinase subfamily. Contains 1 protein kinase domain.
翻译后修饰	Upon cytokine stimulation, phosphorylated on Ser-177 and Ser-181 by MEKK1 and/or MAP3K14/NIK; which enhances activity. Once activated, autophosphorylates on the C-terminal serine cluster; which decreases activity and prevents prolonged activation of the inflammatory response. Acetylation of Thr-180 by Yersinia yopJ prevents phosphorylation and activation, thus blocking the I-kappa-B pathway. Ubiquitinated. Monoubiquitination involves TRIM21 that leads to inhibition of Tax-induced NF-kappa-B signaling. According to PubMed:19675099, 'Ser-163' does not serve as a monoubiquitination site. According to PubMed:16267042, ubiquitination on 'Ser-163' modulates phosphorylation on C-terminal serine residues. Monoubiquitination by TRIM21 is disrupted by Yersinia yopJ.
细胞定位	Cytoplasm. Membrane raft. Colocalized with DPP4 in membrane rafts.

图片



Western blot - Anti-IKK beta antibody (ab97406)

All lanes : Anti-IKK beta antibody (ab97406) at 1/5000 dilution

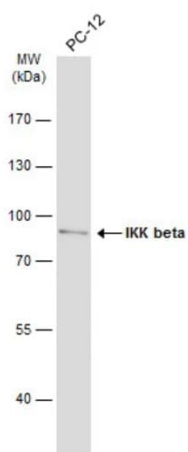
Lane 1 : 293T whole cell extract

Lane 2 : Whole cell extract of DDDDK-human IKK beta-transfected 293T cells

Lysates/proteins at 30 µg per lane.

Predicted band size: 87 kDa

Observed band size: 100 kDa



Western blot - Anti-IKK beta antibody (ab97406)

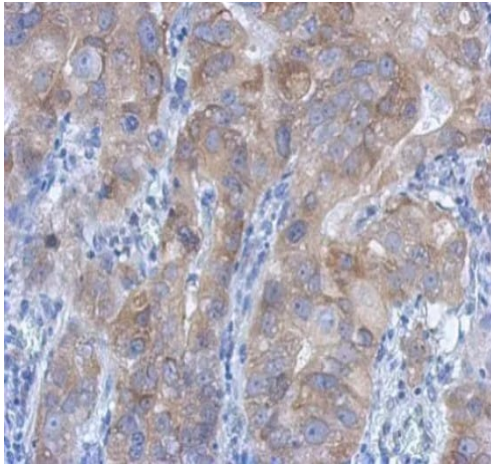
Anti-IKK beta antibody (ab97406) at 1/1000 dilution + PC-12 whole cell extract at 30 µg

Secondary

HRP-conjugated anti-rabbit IgG antibody

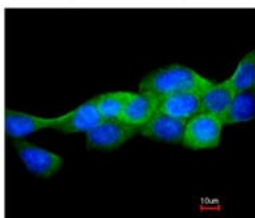
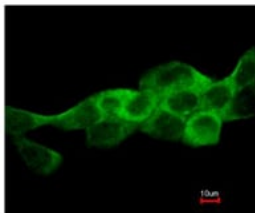
Predicted band size: 87 kDa

Observed band size: 87 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IKK beta antibody (ab97406)

Immunohistochemical analysis of paraffin-embedded Human colon carcinoma tissue labeling IKK beta with ab97406 at 1/500 dilution. Antigen retrieval was performed with an EDTA based buffer (pH 9.0) for 15 mins.



Immunocytochemistry/ Immunofluorescence - Anti-IKK beta antibody (ab97406)

ab97406 at 1/200 dilution staining IKK beta in A431 cells by Immunofluorescence, Paraformaldehyde fixed. Lower image is merged with DNA probe.

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