

Anti-IKB alpha antibody ab97783

[4 References](#) [4 图像](#)

概述

产品名称	Anti-IKB alpha抗体
描述	兔多克隆抗体to IKB alpha
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, ICC/IF
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Cow, Pig 
免疫原	Recombinant fragment corresponding to Human IKB alpha (internal sequence). a sequence within the center region Database link: P25963
阳性对照	293T, A431, H1299, HeLa, HepG2, MOLT4 and Raji whole cell lysates; 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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 78% PBS, 1% BSA, 20% 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ab97783于以下的经测试应用

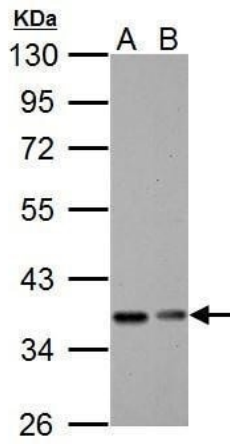
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/100 - 1/1000.
WB		1/1000 - 1/10000. Predicted molecular weight: 36 kDa.
ICC/IF		1/100 - 1/1000.

靶标

功能	Inhibits the activity of dimeric NF-kappa-B/REL complexes by trapping REL dimers in the cytoplasm through masking of their nuclear localization signals. On cellular stimulation by immune and proinflammatory responses, becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription.
疾病相关	Ectodermal dysplasia, anhidrotic, with T-cell immunodeficiency autosomal dominant
序列相似性	Belongs to the NF-kappa-B inhibitor family. Contains 5 ANK repeats.
翻译后修饰	Phosphorylated; disables inhibition of NF-kappa-B DNA-binding activity. Phosphorylation at positions 32 and 36 is prerequisite to recognition by UBE2D3 leading to polyubiquitination and subsequent degradation. Sumoylated; sumoylation requires the presence of the nuclear import signal. Sumoylation blocks ubiquitination and proteasome-mediated degradation of the protein thereby increasing the protein stability. Monoubiquitinated at Lys-21 and/or Lys-22 by UBE2D3. Ubiquitin chain elongation is then performed by CDC34 in cooperation with the SCF(FBXW11) E3 ligase complex, building ubiquitin chains from the UBE2D3-primed NFKBIA-linked ubiquitin. The resulting polyubiquitination leads to protein degradation. Also ubiquitinated by SCF(BTRC) following stimulus-dependent phosphorylation at Ser-32 and Ser-36. Deubiquitinated by porcine reproductive and respiratory syndrome virus Nsp2 protein, which thereby interferes with NFKBIA degradation and impairs subsequent NF-kappa-B activation.
细胞定位	Cytoplasm. Nucleus. Shuttles between the nucleus and the cytoplasm by a nuclear localization signal (NLS) and a CRM1-dependent nuclear export.

图片



Western blot - Anti-IκB alpha antibody (ab97783)

All lanes : Anti-IκB alpha antibody (ab97783) at 1/5000 dilution

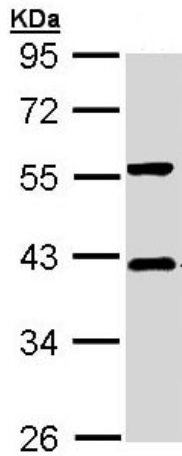
Lane 1 : BCL-1 whole cell lysate

Lane 2 : C2C12 whole cell lysate

Lysates/proteins at 30 μg per lane.

Predicted band size: 36 kDa

10 % SDS-PAGE

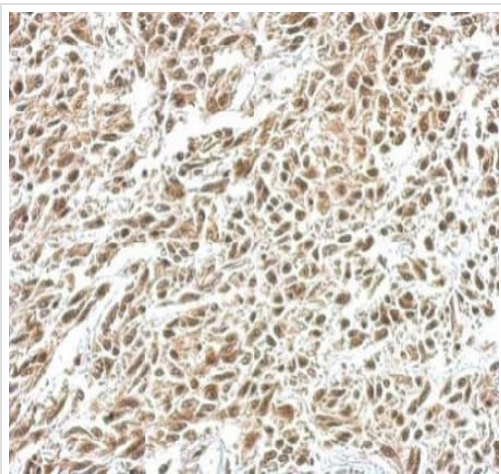


Western blot - Anti-IκB alpha antibody (ab97783)

Anti-IκB alpha antibody (ab97783) at 1/1000 dilution + HepG2 whole cell lysate at 30 μg

Predicted band size: 36 kDa

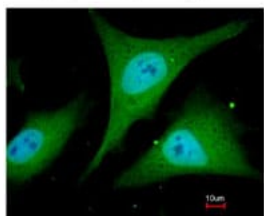
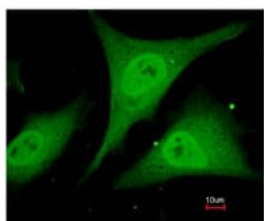
10% SDS-PAGE.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IκB alpha antibody (ab97783)

ab97783 at 1/500 dilution detects IκB alpha protein at nucleus on U251 xenograft by immunohistochemical analysis.

Sample: Paraffin-embedded U251 xenograft.



Immunocytochemistry/ Immunofluorescence - Anti-IκB alpha antibody (ab97783)

ab97783 at 1/200 dilution staining IκB alpha in HeLa cells by Immunofluorescence, Paraformaldehyde fixed. Lower image is merged with DNA probe.

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