abcam

Product datasheet

Anti-IKB alpha (phospho Y42) antibody [EPR2353] ab92685



重组 RabMAb

2 图像

概述

产品名称 Anti-IKB alpha (phospho Y42)抗体[EPR2353]

描述 兔单克隆抗体[EPR2353] to IKB alpha (phospho Y42)

宿主 Rabbit

经测试应用 适用于: WB

不适用于: Flow Cyt or IHC-P

种属反应性 与反应: Human

免疫原 Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

阳性对照 Lysate from A431 cells pre-treated with pervanadate.

This product is a recombinant monoclonal antibody, which offers several advantages including: 常规说明

- High batch-to-batch consistency and reproducibility

- Improved sensitivity and specificity

- Long-term security of supply

- Animal-free production

For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb**® **patents**.

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with

these species. Please contact us for more information.

性能

形式

存放说明 Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

存储溶液

Preservative: 0.05% Sodium azide

Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue

culture supernatant

纯度 Tissue culture supernatant

单克隆 克隆

克隆编号 EPR2353

同种型 IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab92685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 - 1/1000. Predicted molecular weight: 36 kDa.

应用说明 Is unsuitable for Flow Cyt or IHC-P.

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

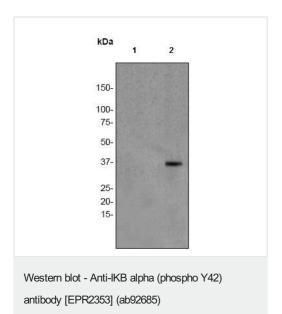
thereby interferes with NFKBIA degradation and impairs subsequent NF-kappa-B activation.

Cytoplasm. Nucleus. Shuttles between the nucleus and the cytoplasm by a nuclear localization

signal (NLS) and a CRM1-dependent nuclear export.

图片

细胞定位



All lanes : Anti-IKB alpha (phospho Y42) antibody [EPR2353] (ab92685) at 1/500 dilution

Lane 1: A-431 (Human epidermoid carcinoma cell line) whole cell lysate, untreated

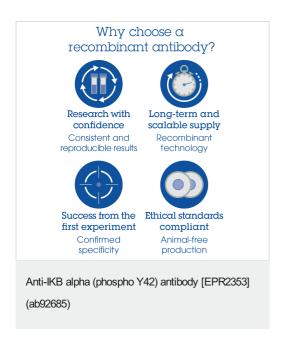
Lane 2 : A-431 (Human epidermoid carcinoma cell line) whole cell lysate, pre-treated with pervanadate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes: HRP conjugated Goat anti-Rabbit IgG at 1/2000 dilution

Predicted band size: 36 kDa



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

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