


Anti-AKT3 + AKT1 antibody [E45] ab32038

重组 RabMAb

11 References [4 图像](#)

概述

产品名称	Anti-AKT3 + AKT1抗体[E45]
描述	兔单克隆抗体[E45] to AKT3 + AKT1
宿主	Rabbit
特异性	This antibody detects Akt1 and Akt3.
经测试应用	适用于: IHC-P, WB, ICC/IF 不适用于: Flow Cyt
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Cow 
免疫原	Synthetic peptide corresponding to Human AKT1 aa 450-550. Database link: P31749
阳性对照	Squamous lung carcinoma ICC/IF: SK-BR-3 cells
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - 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 .

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号 E45

同种型 IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab32038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		1/250 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration.
ICC/IF		1/500.

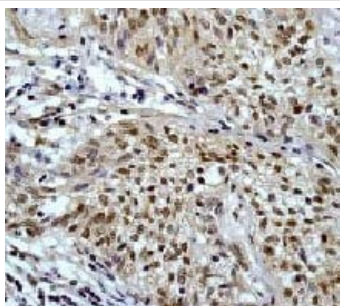
应用说明 Is unsuitable for Flow Cyt.

靶标

细胞定位

AKT3: Cytoplasm. Membrane. Membrane-associated after cell stimulation leading to its translocation. AKT1: Cytoplasm. Nucleus. Cell membrane. Nucleus after activation by integrin-linked protein kinase 1 (ILK1). Nuclear translocation is enhanced by interaction with TCL1A. Phosphorylation on Tyr-176 by TNK2 results in its localization to the cell membrane where it is targeted for further phosphorylations on Thr-308 and Ser-473 leading to its activation and the activated form translocates to the nucleus.

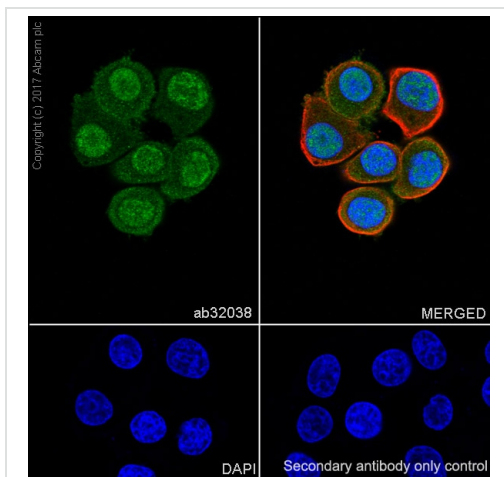
图片



Immunohistochemistry (Paraffin-embedded sections) analysis using ab32038 at a dilution of 1/1000 - 1/1250 and squamous lung carcinoma

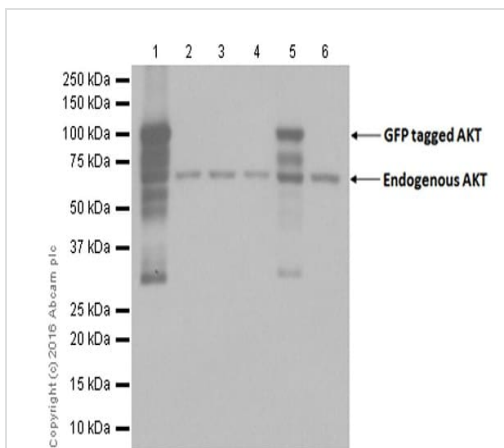
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AKT3 + AKT1 antibody [E45] (ab32038)



Immunocytochemistry/ Immunofluorescence - Anti-AKT3 + AKT1 antibody [E45] (ab32038)

Immunocytochemistry/ Immunofluorescence analysis of SK-BR-3 (human breast adenocarcinoma epithelial cell) cells labeling AKT3+AKT1 with purified ab32038 at 1/500 dilution (2.1 µg/mL). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL) was used as the secondary antibody only control.



Western blot - Anti-AKT3 + AKT1 antibody [E45] (ab32038)

All lanes : Anti-AKT3 + AKT1 antibody [E45] (ab32038) at 1/10000 dilution

Lane 1 : GFP tagged AKT1 transfected 293T cell lysate

Lanes 2 & 4 & 6 : Empty vector transfected 293T cell lysate

Lane 3 : GFP tagged AKT2 transfected 293T cell lysate

Lane 5 : GFP tagged AKT3 transfected 293T cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

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


Exposure time: 1 second

Blocking/Diluting buffer: 5% NFDm/TBST.

Observed band: 82kDa, 56kDa.

82kDa band represents GFP tagged AKT. 56kDa band represents endogenous AKT.

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-AKT3 + AKT1 antibody [E45] (ab32038)

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