


Anti-ACK1 antibody - N-terminal ab137506

[1 References](#) [2 图像](#)

概述

产品名称	Anti-ACK1抗体- N-terminal
描述	兔多克隆抗体to ACK1 - N-terminal
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Cow 
免疫原	Recombinant fragment, corresponding to a region within N terminal amino acids 25-313 of Human ACK1 (UniProt ID: Q07912).
阳性对照	293T, A431, H1299, Raji and Mouse brain whole cell lysates.
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	<p>pH: 7.00</p> <p>Preservative: 0.01% Thimerosal (merthiolate)</p> <p>Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)</p>
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ab137506于以下的经测试应用

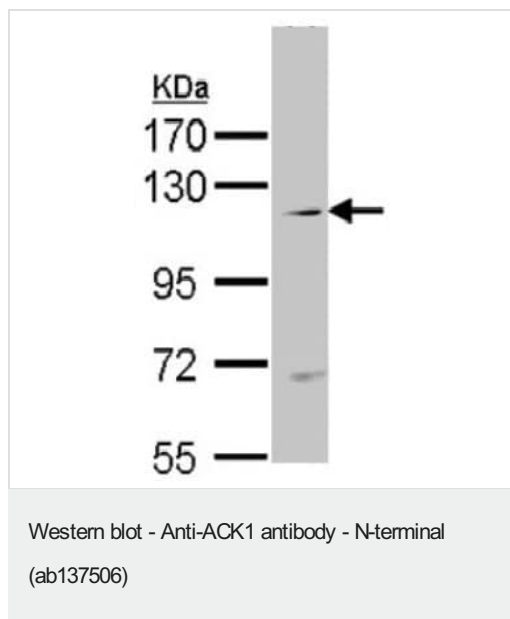
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/3000. Predicted molecular weight: 115 kDa.

靶标

功能	Non-receptor tyrosine kinase that regulates the activity of a number of proteins by tyrosine phosphorylation especially proteins critical for cell survival, cell growth, and proliferation. Activates AKT1 by phosphorylating it on 'Tyr-176' resulting in its activation. Phosphorylates AR on 'Tyr-267' and 'Tyr-363' and promotes its recruitment to the androgen-responsive enhancers (AREs). Phosphorylates WWOX on 'Tyr-287'. Downstream effector of CDC42 which mediates CDC42-dependent cell migration via phosphorylation of BCAR1. Binds to both poly- and mono-ubiquitin and regulates ligand-induced degradation of EGFR. Participates in clathrin-mediated endocytosis. May be involved both in adult synaptic function and plasticity and in brain development.
组织特异性	The Tyr-284 phosphorylated form shows a significant increase in expression in breast cancers during the progressive stages i.e. normal to hyperplasia (ADH), ductal carcinoma in situ (DCIS), invasive ductal carcinoma (IDC) and lymph node metastatic (LNMM) stages. It also shows a significant increase in expression in prostate cancers during the progressive stages.
序列相似性	Belongs to the protein kinase superfamily. Tyr protein kinase family. Contains 1 CRIB domain. Contains 1 protein kinase domain. Contains 1 SH3 domain. Contains 1 UBA domain.
结构域	The EBD (EGFR-binding domain) domain is necessary for interaction with EGFR. The SAM-like domain is necessary for NEDD4-mediated ubiquitination. Promotes membrane localization and dimerization to allow for autophosphorylation. The UBA domain binds both poly- and mono-ubiquitin.
翻译后修饰	Autophosphorylation regulates kinase activity. Phosphorylation on Tyr-518 is required for interaction with SRC. Ubiquitinated by NEDD4. Its EGF-induced degradation is EGFR activation-dependent and is processed by lysosomes, not proteasomes.
细胞定位	Cell membrane. Nucleus. Endosome. Cell junction > adherens junction. Cytoplasmic vesicle membrane. The Tyr-284 phosphorylated form is expressed both in the membrane and nucleus. Co-localizes with EGFR on the endosomes.

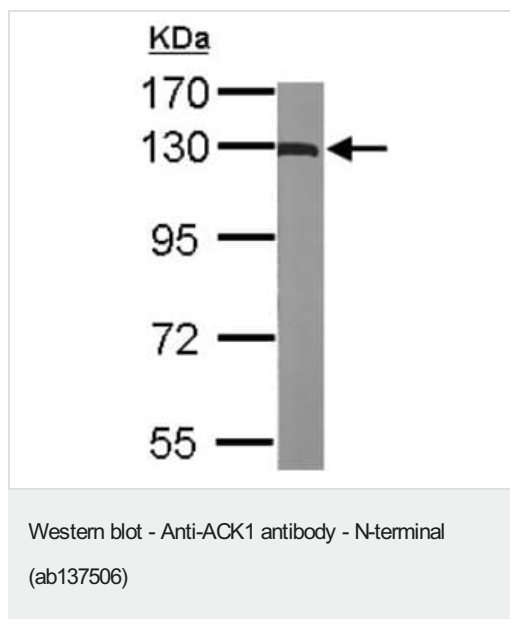
图片



Anti-ACK1 antibody - N-terminal (ab137506) at 1/500 dilution + Raji whole cell lysate at 30 µg

Predicted band size: 115 kDa

7.5% SDS PAGE



Anti-ACK1 antibody - N-terminal (ab137506) at 1/1000 dilution + Mouse brain whole cell lysate at 50 µg

Predicted band size: 115 kDa

7.5% SDS PAGE

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