


### Anti-BCAR1 (phospho Y751) antibody ab45486

#### 1 图像

#### 概述

产品名称	Anti-BCAR1 (phospho Y751)抗体
描述	兔多克隆抗体to BCAR1 (phospho Y751)
宿主	Rabbit
特异性	The antibody detects a 130 kDa protein corresponding to the molecular mass of phosphorylated p130 Cas on SDS-PAGE immunoblots of pervanadate treated human endothelial and A431 cells, but is not observed in control cells.
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Mouse 
免疫原	Synthetic peptide corresponding to Rat BCAR1 (phospho Y751) conjugated to keyhole limpet haemocyanin. Database link: <a href="#">Q63767</a>
阳性对照	Pervanadate treated human endothelial and 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&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.05% Sodium azide Constituents: PBS, 50% Glycerol, 0.1% BSA
纯度	Immunogen affinity purified
纯化说明	This antibody was cross-adsorbed to phospho-tyrosine coupled to agarose and to phospho-p130 Cas (Tyr-762) peptide before affinity purification using phospho-p130 Cas (Tyr-751) peptide (without carrier).

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab45486于以下的经测试应用

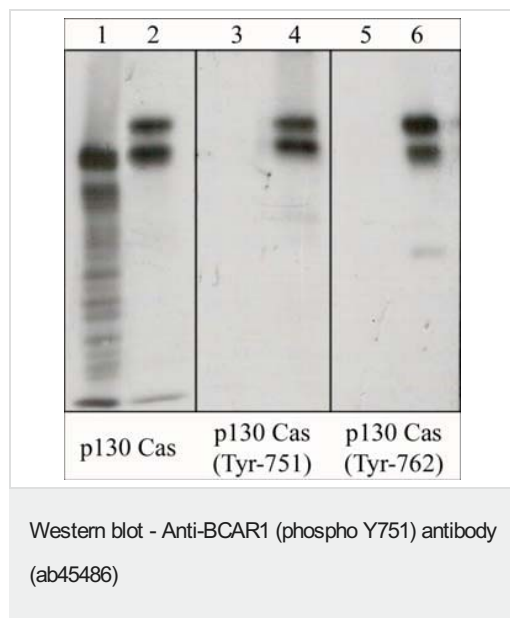
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/2000. Predicted molecular weight: 93 kDa.

靶标

功能	Docking protein which plays a central coordinating role for tyrosine kinase-based signaling related to cell adhesion. Implicated in induction of cell migration. Overexpression confers antiestrogen resistance on breast cancer cells.
组织特异性	Widely expressed with an abundant expression in the testis. Low level of expression seen in the liver, thymus, and peripheral blood leukocytes. The protein has been detected in a B-cell line.
序列相似性	Belongs to the CAS family. Contains 1 SH3 domain.
结构域	Contains a central domain (substrate domain) containing multiple potential SH2-binding sites and a C-terminal domain containing a divergent helix-loop-helix (HLH) motif. The SH2-binding sites putatively bind CRK, NCK and ABL1 SH2 domains. The HLH motif is absolutely required for the induction of pseudohyphal growth in yeast and mediates heterodimerization with NEDD9. A serine-rich region promotes activation of the serum response element (SRE). The SH3 domain is necessary for the localization of the protein to focal adhesions and interacts with one proline-rich region of PTK2/FAK11.
翻译后修饰	PTK2/FAK1 activation mediates phosphorylation at the YDYVHL motif; phosphorylation is most likely catalyzed by SRC family members. SRC-family kinases are recruited to the phosphorylated sites and can phosphorylate other tyrosine residues. Tyrosine phosphorylation is triggered by integrin-mediated adhesion of cells to the extracellular matrix. Dephosphorylated by PTPN14 at Tyr-128.
细胞定位	Cell junction, focal adhesion. Cytoplasm. Unphosphorylated form localizes in the cytoplasm and can move to the membrane upon tyrosine phosphorylation.

图片



**Lanes 1-2 :** anti-p130 Cas

**Lanes 3-4 :** Anti-BCAR1 (phospho Y751) antibody (ab45486) at 1/2000 dilution

**Lanes 5-6 :** anti-p130 Cas (Tyr-762)

**Lanes 1 & 3 & 5 :** human endothelial cells serum starved overnight

**Lanes 2 & 4 & 6 :** human endothelial cells treated with pervanadate (1 mM) for 30 minutes

**Predicted band size:** 93 kDa

**Observed band size:** 130 kDa

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

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