BT LAB
Bioassay Technology Laboratory
Optimize Your Research

BCAR1 Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP06283
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human BCAR1
Mol wt	95700
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	BCAR1
Synonyms	BCAR1; Breast cancer anti-estrogen resistance protein 1; CRK-associated substrate; Cas scaffolding protein family member 1; p130cas

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

A serine-rich region promotes activation of the serum response element (SRE).|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 ABL SH2 domains. The HLH motif is absolutely required for the induction of pseudohyphal growth in yeast and mediates heterodimerization with CASL.|The SH3 domain is necessary for the localization of the protein to focal adhesions and interacts with one proline-rich region of focal adhesion kinase 1.|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.|PTM:Focal adhesion kinase 1 phosphorylates the protein at the YDYVHL motif. 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.|Belongs to the CAS family.|Contains 1 SH3 domain.|subcellular location:Unphosphorylated form localizes in the cytoplasm and can move to the membrane upon tyrosine phosphorylation.|subunit:Forms complexes in vivo with focal adhesion kinase 1| adapter protein CRKL and LYN kinase. Can heterodimerize with CASL. Interacts with BCAR3| NPHP1| PTK2B and SH2D3C (By similarity). Interacts with activated CSPG4. Interacts with INPPL1/SHIP2.|tissue specificity: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.|

Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year

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