

p130 Cas (PT0961R) PT™ Rabbit mAb

CatalogNo: YM8782 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IF, ELISA

MW

- 93kD (Calculated)
- 130kD (Observed)

Isotype

- IgG, Kappa

Recommended Dilution Ratios

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality Monoclonal

Clone Number PT0961R

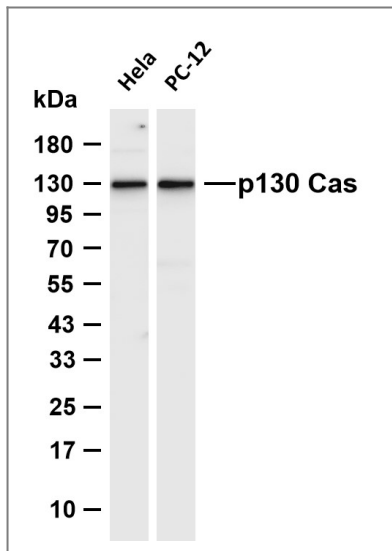
Immunogen Information

Specificity Endogenous

Target Information

Gene name	BCAR1		
Protein Name	Breast cancer anti-estrogen resistance protein 1		
	Organism	Gene ID	UniProt ID
	Human	9564 ;	P56945 ;
	Mouse	12927 ;	Q61140 ;
	Rat	25414 ;	Q63767 ;
Cellular Localization	Cell junction, focal adhesion . Cytoplasm . Cell projection, axon . Unphosphorylated form localizes in the cytoplasm (By similarity). Localizes to focal adhesion sites following integrin engagement (By similarity). .		
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.		
Function	Domain:A serine-rich region promotes activation of the serum response element (SRE).,Domain: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.,Domain: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.,Function: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.,similarity:Belongs to the CAS family.,similarity: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.,		

| Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-p130 Cas (PT0961R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: PC-12 Predicted band size: 93kDa Observed band size: 130kDa

Contact information

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PT™ Rabbit mAb

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