



# p130 Cas (phospho Tyr165) Monoclonal Antibody

<b>Catalog No</b>	BYmab-03568
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	BCAR1
<b>Protein Name</b>	Breast cancer anti-estrogen resistance protein 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human p130 Cas around the phosphorylation site of Tyr165. AA range:131-180
<b>Specificity</b>	Phospho-p130 Cas (Y165) Monoclonal Antibody detects endogenous levels of p130 Cas protein only when phosphorylated at Y165.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	BCAR1; CAS; CASS1; CRKAS; Breast cancer anti-estrogen resistance protein 1; CRK-associated substrate; Cas scaffolding protein family member 1; p130cas
<b>Observed Band</b>	130kD
<b>Cell Pathway</b>	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). .
<b>Tissue Specificity</b>	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.
<b>Function</b>	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

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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 phosphoryl

**Background**

BCAR1, or CAS, is an Src (MIM 190090) family kinase substrate involved in various cellular events, including migration, survival, transformation, and invasion (Sawada et al., 2006 [PubMed 17129785]).[supplied by OMIM, May 2009],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images