

p130cas Antibody (Center Y224) Blocking peptide
Synthetic peptide
Catalog # BP12200c**Specification**

p130cas Antibody (Center Y224) Blocking peptide - Product InformationPrimary Accession [P56945](#)**p130cas Antibody (Center Y224) Blocking peptide - Additional Information****Gene ID** 9564**Other Names**

Breast cancer anti-estrogen resistance protein 1, CRK-associated substrate, Cas scaffolding protein family member 1, p130cas, BCAR1, CAS, CASS1, CRKAS

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

p130cas Antibody (Center Y224) Blocking peptide - Protein Information**Name** BCAR1**Synonyms** CAS, CASS1, CRKAS**Function**

Docking protein which plays a central coordinating role for tyrosine kinase-based signaling related to cell adhesion (PubMed:12432078, PubMed:12832404). Implicated in induction of cell migration and cell branching (PubMed:12432078, PubMed:12832404, PubMed:17038317). Involved in the BCAR3-mediated inhibition of TGFB signaling (By similarity).

Cellular Location

Cell junction, focal adhesion. Cytoplasm Cell projection, axon {ECO:0000250|UniProtKB:Q61140} Note=Unphosphorylated form localizes in the cytoplasm (By similarity) Localizes to focal adhesion sites following integrin engagement (By similarity). {ECO:0000250|UniProtKB:Q61140}

Tissue Location

Expressed in B-cells (at protein level) (PubMed:9020138). Widely expressed with an abundant expression in the testis (PubMed:10639512). Low level of expression seen in the liver, thymus, and peripheral blood leukocytes (PubMed:10639512)

p130cas Antibody (Center Y224) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

p130cas Antibody (Center Y224) Blocking peptide - Images

p130cas Antibody (Center Y224) Blocking peptide - 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 [PubMed17129785]).

p130cas Antibody (Center Y224) Blocking peptide - References

Tai, C.J., et al. Exp. Cell Res. 316(17):2969-2981(2010) Dastani, Z., et al. Eur. J. Hum. Genet. 18(3):342-347(2010) Schuh, N.R., et al. J. Biol. Chem. 285(4):2309-2317(2010) Wendt, M.K., et al. J. Biol. Chem. 284(49):34145-34156(2009) Qian, X., et al. Cancer Cell 16(3):246-258(2009)