

**Antibody to p130Cas**
MOUSE MONOCLONAL

Catalog Number: AB-V29
Quantity: 100 micrograms
Format: PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.
Host: Mouse
Isotype: IgG2a
Clone: 8G4
Immunogen: p130Cas AA 576 - 796

Background: BCAR1, also known as p130Cas, is a widely expressed adaptor protein belonging to the Cas family. It functions as a docking platform with multiple protein-protein interaction domains, allowing it to participate in a variety of signaling pathways. Through these interactions, BCAR1 plays key roles in regulating cell adhesion, migration, apoptosis, responses to hypoxia, and mechanotransduction. Overexpression of BCAR1 has been observed in several cancers, including breast cancer, and is associated with anti-estrogen resistance.

Specificity & Preparation: This Mouse IgG2a antibody was generated against rat p130/CAS amino acids 576-796 and recognizes rat, mouse and human homologs.

Usage: Applications include immunohistochemistry. Working dilutions must be determined by end user.

Storage: Store antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.

**Selected References:**

1. Bouton AH, Burnham MR (1997) Detection of distinct pools of the adapter protein p130CAS using a panel of monoclonal antibodies. Hybridoma 16(5):403-411. doi: 10.1089/hyb.1997.16.403 PMID: 9388023

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