

p130 Cas Antibody (Ab-410)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50000

Specification

p130 Cas Antibody (Ab-410) - Product Information

Application	WB, IHC
Primary Accession	P56945
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	93 KDa
Antigen Region	400-430

p130 Cas Antibody (Ab-410) - 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

Dilution

WB~~ 1:1000

IHC~~1:50-1:100

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

p130 Cas Antibody (Ab-410) - 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:12832404, PubMed:12432078). 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}

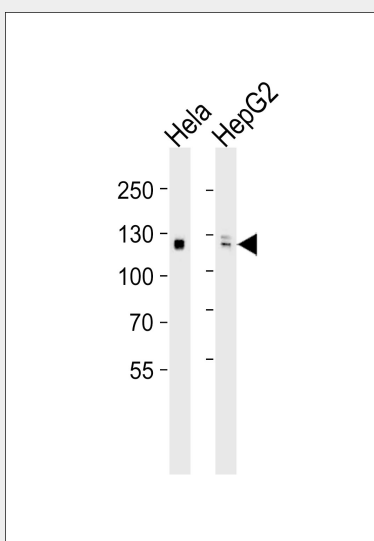
Tissue Location

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)

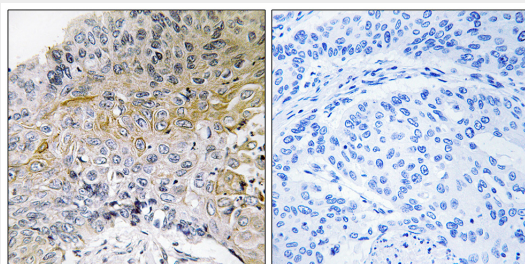
p130 Cas Antibody (Ab-410) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

p130 Cas Antibody (Ab-410) - Images

Western blot analysis of lysates from HeLa, HepG2 cell line (from left to right), using p130 Cas Antibody (Ab-410) (B0077). B0077 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p130 Cas (Ab-410) antibody .

p130 Cas Antibody (Ab-410) - Background

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.

p130 Cas Antibody (Ab-410) - References

Brinkman A.,et al.J. Natl. Cancer Inst. 92:112-120(2000).
Otto E.,et al.Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
Imoto Y.,et al.Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
Lin L.,et al.Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).