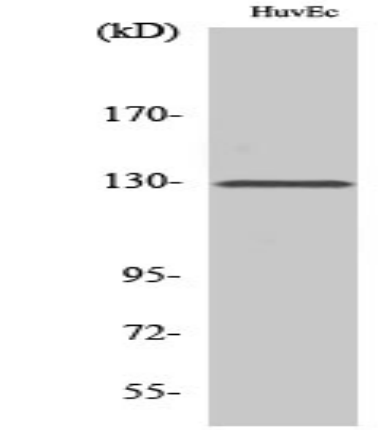
Best Tools for immunology Research

p130 Cas Polyclonal Antibody

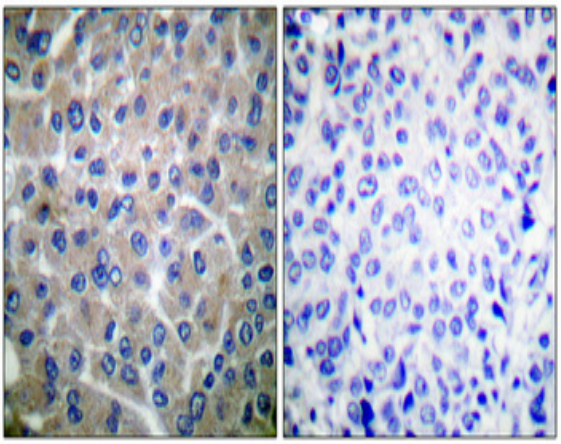
Catalog No :	YT3489
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	p130 Cas
Fields :	>>Rap1 signaling pathway;>>Chemokine signaling pathway;>>Focal adhesion;>>Leukocyte transendothelial migration;>>Regulation of actin cytoskeleton;>>Growth hormone synthesis, secretion and action;>>Bacterial invasion of epithelial cells;>>Shigellosis;>>Yersinia infection;>>Human cytomegalovirus infection
Gene Name :	BCAR1
Protein Name :	Breast cancer anti-estrogen resistance protein 1
Human Gene Id :	9564
Human Swiss Prot No :	P56945
Mouse Gene Id :	12927
Mouse Swiss Prot No :	Q61140
Rat Gene Id :	25414
Rat Swiss Prot No :	Q63767
Immunogen :	The antiserum was produced against synthesized peptide derived from human p130 Cas. AA range:376-425
Specificity :	p130 Cas Polyclonal Antibody detects endogenous levels of p130 Cas protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG

Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	130kD
Cell Pathway :	Chemokine;Focal adhesion;Leukocyte transendothelial migration;Regulates Actin and Cytoskeleton;
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],
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 phosphoryl
Subcellular Location :	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). .
Expression :	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.

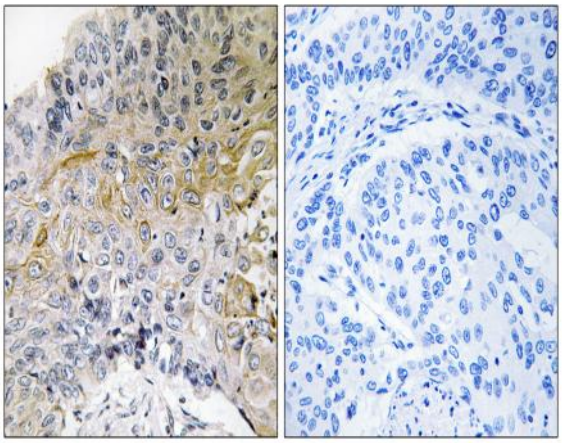
Products Images



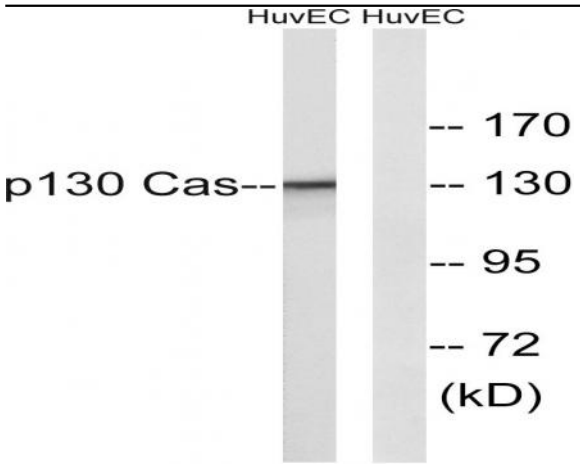
Western Blot analysis of various cells using p130 Cas Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using p130 Cas Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC cells, using p130 Cas Antibody. The lane on the right is blocked with the synthesized peptide.