BCAR1 Antibody

Catalog No: #37147

Orders: order@signalwayantibody.com
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Description

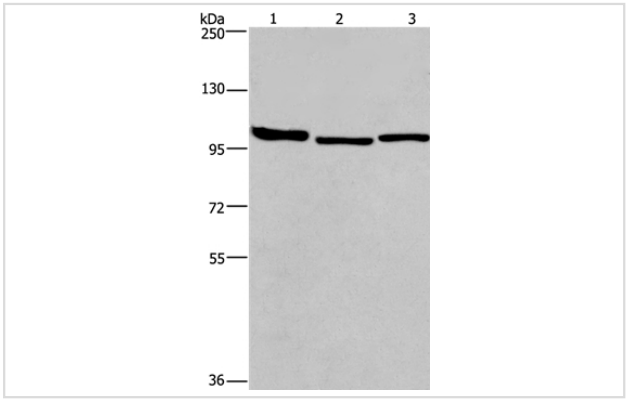
Product Name	BCAR1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total BCAR1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the N terminal of human breast cancer anti-estrogen resistance 1
Target Name	BCAR1
Other Names	CAS; CAS1; CASS1; CRKAS; P130Cas
Accession No.	Swiss-Prot#: P56945NCBI Gene ID: 9564Gene Accssion: NP_001164189
Uniprot	P56945
GeneID	9564;
SDS-PAGE MW	93kd
Concentration	0.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

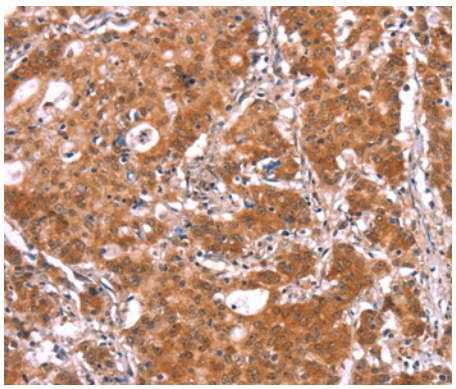
Western blotting: 1:200-1:1000

Immunohistochemistry: 1:25-1:100

Images



Gel: 6%SDS-PAGE
Lysates (from left to right): Hela, 231 and A431 cell
Amount of lysate: 40ug per lane
Primary antibody: 1/100 dilution
Secondary antibody dilution: 1/8000
Exposure time: 4 minutes



Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue using #37147 at dilution 1/15.

Background

BCAR1, or CAS, is an Src (MIM 190090) family kinase substrate involved in various cellular events, including migration, survival, transformation, and invasion. The molecular cloning of p130 Cas has shown it to represent a novel SH3 containing signaling molecule with a cluster of multiple putative SH2-binding motifs for v-Crk. By immunoprecipitation analysis, p130 Cas has been shown to be highly phosphorylated at tyrosine residues subsequent to either v-Src p60 or v-Crk-mediated transformation and to form stable complexes with both of these transforming proteins. p130 Cas behaves as an extremely potent substrate for protein tyrosine kinases and has been reported to relocate from the cytoplasm to cell membrane upon tyrosine phosphorylation. One proposed model is that the SH2 domain of v-Crk functions to activate c-Src kinase, which in turn phosphorylates p130 Cas.

Note: This product is for in vitro research use only