

For Research Use Only

CIN85 Polyclonal antibody

Catalog Number: 12132-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

12132-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2777

GenBank Accession Number:

BC015806

GeneID (NCBI):

30011

UNIPROT ID:

Q96B97

Full Name:

SH3-domain kinase binding protein 1

Calculated MW:

665 aa, 73 kDa

Observed MW:

85 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: Raji cells, fetal human brain tissue, Ramos cells, Jurkat cells, THP-1 cells, NIH/3T3 cells

IHC: human colon cancer tissue, human ovary cancer tissue

Background Information

CIN85 is identified as a Cbl-interacting protein of 85 kDa and belongs to adaptor/scaffold proteins. It composed of three N-terminal SH3 domains followed by a proline-rich region and a C-terminal coiled-coil region. In association with c-Cbl (Casitas B-lineage lymphoma), an E3 ubiquitin ligase. As an adaptor protein, CIN85 is involved in Cbl-dependent EGFR internalization, intracellular receptor trafficking, sorting and degradation. Moreover, through the SH3 domains and the proline-rich region, CIN85 is implicated in many protein-protein interactions and it is found to play important roles in other processes such as apoptosis, rearrangement of actin cytoskeleton, cell adhesion, immunological synapse, cell migration and invasion.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------------|-----------|---------------------|-------------|
| Ma Yaxi Y | 20882291 | Arch Gynecol Obstet | IHC |
| Ihor Yakymovych | 26169354 | J Cell Biol | WB, IF |
| Yoon Hye-Young HY | 21275903 | Biol Cell | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

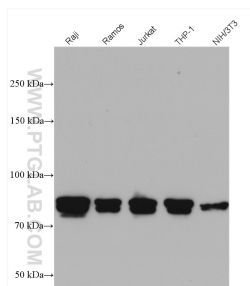
For technical support and original validation data for this product please contact:

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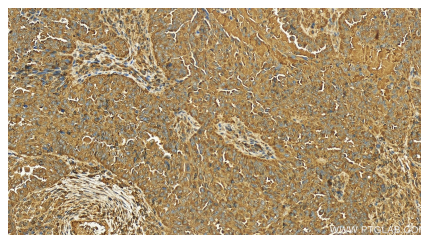
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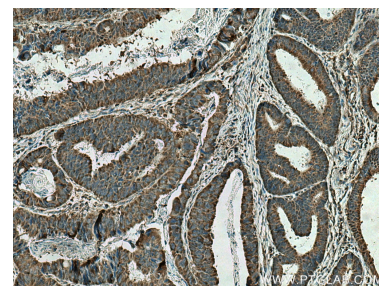
Selected Validation Data



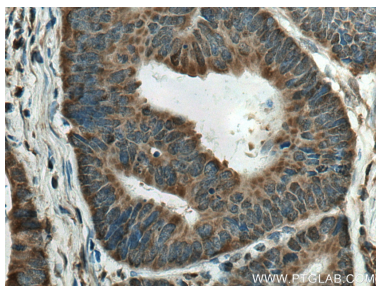
Various lysates were subjected to SDS PAGE followed by western blot with 12132-1-AP (CIN85 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 12132-1-AP (CIN85 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12132-1-AP (CIN85 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12132-1-AP (CIN85 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).