

For Research Use Only

PKIB Polyclonal antibody

Catalog Number: 11942-1-AP



Basic Information

Catalog Number:

11942-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 413 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2541

GenBank Accession Number:

BC036011

GeneID (NCBI):

5570

UNIPROT ID:

Q9C010

Full Name:

protein kinase (cAMP-dependent, catalytic) inhibitor beta

Calculated MW:

78 aa, 9 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

Applications

Tested Applications:

IHC, ELISA

Species Specificity:

human, mouse

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:

IHC : human stomach cancer tissue, human gliomas tissue, mouse kidney tissue, mouse brain tissue

Background Information

The cAMP-dependent protein kinase inhibitor- β (PKIB) is also named as PRKACN2. PKIB is presumed to be one of the regulatory factors controlling the cAMP-dependent protein kinase A signaling pathway (PMID: 23224602). PKIB plays an important role in regulating the proliferation, migration, and even metastasis of osteosarcoma (PMID: 17195088). The expression of PKIB in the cytoplasm of tumor is closely related to pAkt and the triple negative breast cancer (PMID: 28387904).

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

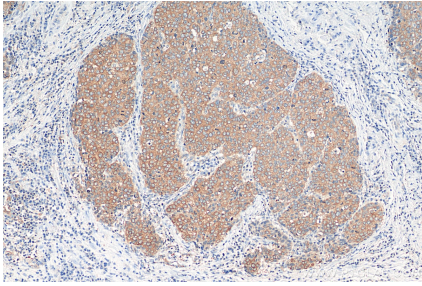
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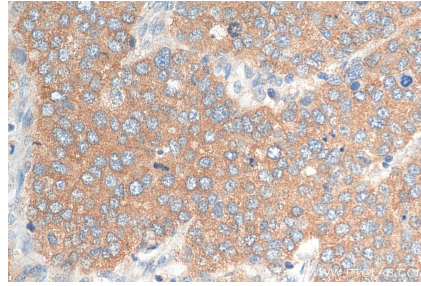
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 11942-1-AP (PKIB 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 stomach cancer tissue slide using 11942-1-AP (PKIB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).