

For Research Use Only

PKIB Polyclonal antibody

Catalog Number: 11942-1-AP



Basic Information

Catalog Number: 11942-1-AP	GenBank Accession Number: BC036011	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 µg/ml by Nanodrop and 413 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5570	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	Full Name: protein kinase (cAMP-dependent, catalytic) inhibitor beta	
Isotype: IgG	Calculated MW: 78 aa, 9 kDa	
Immunogen Catalog Number: AG2541		

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

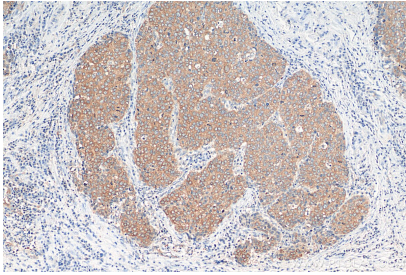
For technical support and original validation data for this product please contact:

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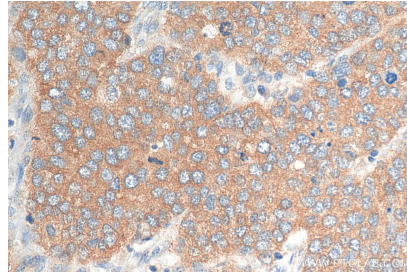
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 11942-1-AP (PK1B 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 (PK1B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).