

For Research Use Only

PAK7 Polyclonal antibody, PBS Only

Catalog Number: 32085-1-PBS



Basic Information

Catalog Number:

32085-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29190

GenBank Accession Number:

BC024179

GeneID (NCBI):

57144

UNIPROT ID:

Q9P286

Full Name:

p21 protein (Cdc42/Rac)-activated kinase 7

Calculated MW:

719 aa, 81 kDa

Observed MW:

80 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, rat

Background Information

PAK7, also known as PAK5, is a newly found but scarcely researched type II PAKs (PAK4, 5, 6). PAK7 was originally found in the brain, which promotes filopodia formation in nerve cells. Recently, studies have found that the expression level of PAK7 significantly increased in colorectal cancer, ovarian cancer, gastric cancer, neuroglioma, hepatocellular carcinoma, pancreatic cancer, osteosarcoma, and breast cancer. PAK7 plays an important role in tumorigenesis, invasion, and metastasis, mainly related to its mechanism of regulating cytoskeleton, inhibiting apoptosis, and promoting proliferation. The calculated molecular weight of PAK7 is 80 kDa (PMID: 29805709, PMID: 34165002).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

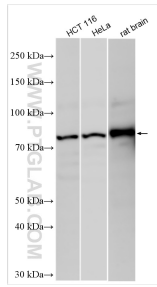
T: 4006900926

E: Proteintech-CN@ptglab.com

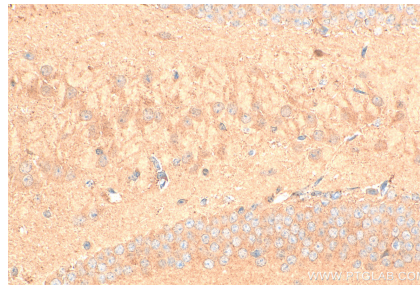
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

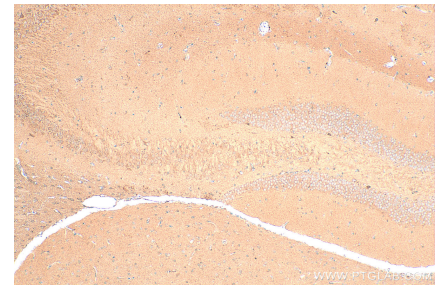
Selected Validation Data



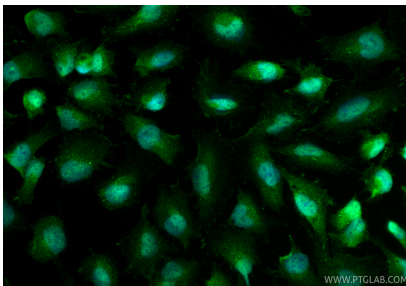
Various lysates were subjected to SDS PAGE followed by western blot with 32085-1-AP (PAK7 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32085-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 32085-1-AP (PAK7 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 32085-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 32085-1-AP (PAK7 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 32085-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using PAK7 antibody (32085-1-AP) at dilution of 1:400 and CoralLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 32085-1-PBS in a different storage buffer formulation.