

For Research Use Only

PBK/SPK Polyclonal antibody, PBS Only

Catalog Number: 16110-1-PBS

Featured Product



Basic Information

Catalog Number:

16110-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9033

GenBank Accession Number:

BC015191

GeneID (NCBI):

55872

UNIPROT ID:

Q96KB5

Full Name:

PDZ binding kinase

Calculated MW:

322 aa, 36 kDa

Observed MW:

36-40 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, FC (Intra), Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

PBK(PDZ-binding kinase) is also named as TOPIK, CT84, Nori-3, SPK and belongs to the MAP kinase kinase subfamily. PBK may have a role in the regulation of cellular proliferation and progression of the cell cycle. It has a characteristic cdc2cyclin B phosphorylation site(SyT-P-X-KyR) at its N terminus, which is conserved across species, and it is phosphorylated in a cell cycle-dependent manner at mitosis, and that this phosphorylation is required for its activation(PMID:10779557).

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

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

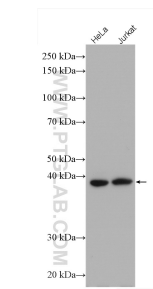
T: 4006900926

E: Proteintech-CN@ptglab.com

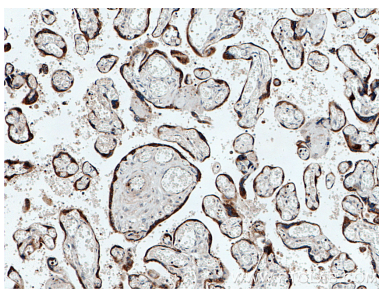
W: ptgcn.com

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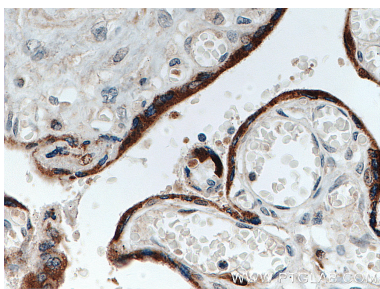
Selected Validation Data



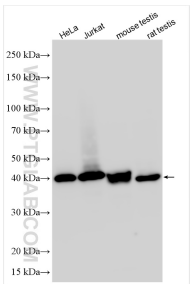
Various lysates were subjected to SDS PAGE followed by western blot with 16110-1-AP (PBK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16110-1-PBS in a different storage buffer formulation.



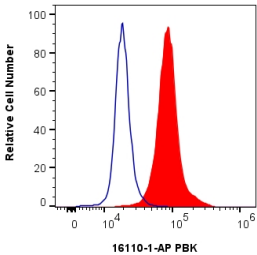
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 16110-1-AP (PBK antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16110-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 16110-1-AP (PBK 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 16110-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 16110-1-AP (PBK antibody) at dilution of 1:25000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16110-1-PBS in a different storage buffer formulation.



(blue) 1×10^6 HepG2 cells were intracellularly stained with 0.8 ug Anti-Human PBK (16110-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) at dilution 1:1000(red), or 0.8 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 16110-1-PBS in a different storage buffer formulation.