

For Research Use Only

PAK7 Recombinant antibody, PBS Only

Catalog Number: 82935-1-PBS

Featured Product



Basic Information

Catalog Number:

82935-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

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:

70 kDa

Purification Method:

Protein A purification

CloneNo.:

230201A10

Applications

Tested Applications:

WB, FC (Intra), Indirect ELISA

Species Specificity:

human

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.

Storage Buffer:

PBS Only

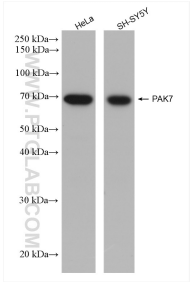
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

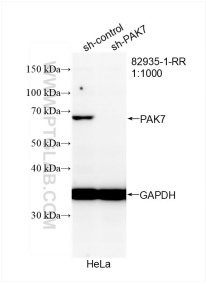
E: proteintech@ptglab.com
W: ptglab.com

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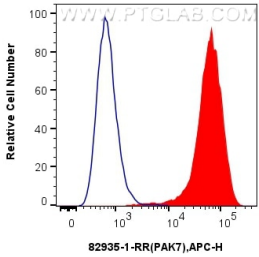
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82935-1-RR (PAK7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82935-1-PBS in a different storage buffer formulation.



WB result of PAK7 antibody (82935-1-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PAK7 transfected HeLa cells. This data was developed using the same antibody clone with 82935-1-PBS in a different storage buffer formulation.



(blue)1x10⁶ K-562 cells were intracellularly stained with 0.25 ug Anti-Human PAK7 (82935-1-RR, Clone:230201A10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:166(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 82935-1-PBS in a