

For Research Use Only

PAK7 Polyclonal antibody

Catalog Number:32085-1-AP



Basic Information

Catalog Number: 32085-1-AP	GenBank Accession Number: BC024179	Purification Method: Antigen affinity purification
Size: 400 ug/ml	GeneID (NCBI): 57144	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: Q9P286	
Isotype: IgG	Full Name: p21 protein (Cdc42/Rac)-activated kinase 7	
Immunogen Catalog Number: AG29190	Calculated MW: 719 aa, 81 kDa	
	Observed MW: 80 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HCT 116 cells, HeLa cells, rat brain tissue
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 -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

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

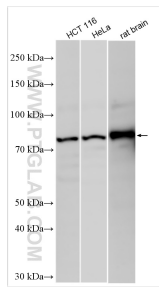
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Selected Validation Data



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.