

For Research Use Only

# CoraLite® Plus 488-conjugated PAK7 Recombinant antibody

Catalog Number: CL488-82935

Featured Product



## Basic Information

Catalog Number:

CL488-82935

Concentration:

1000 µg/ml

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

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : Neuro-2a cells,

## 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

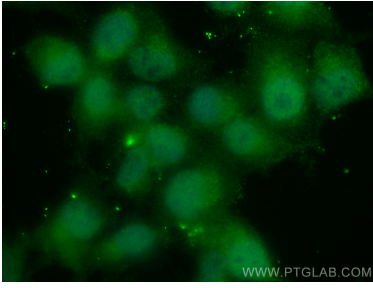
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using CoraLite® Plus 488 PAK7 antibody (CL488-82935, Clone: 230201A10) at dilution of 1:200.