

For Research Use Only

# CoraLite® Plus 488-conjugated PAK7 Recombinant antibody

Catalog Number: CL488-82935

Featured Product



## Basic Information

**Catalog Number:**

CL488-82935

**Size:**

100ul, Concentration: 1000 µg/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

**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

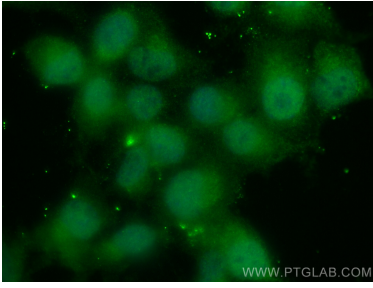
For technical support and original validation data for this product please contact:

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## 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.