

For Research Use Only

# CoraLite® Plus 488-conjugated CDK5 Polyclonal antibody



Catalog Number: CL488-10430

Featured Product

## Basic Information

Catalog Number:

CL488-10430

Size:

100ul , Concentration: 1000 µg/ml by  
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0686

GenBank Accession Number:

BC005115

GeneID (NCBI):

1020

UNIPROT ID:

Q00535

Full Name:

cyclin-dependent kinase 5

Calculated MW:

31 kDa, 33 kDa

Observed MW:

33 kDa

Purification Method:

Protein A purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF

Species Specificity:

human, mouse, rat

Positive Controls:

IF : SH-SY5Y cells,

## Background Information

Cyclin-dependent kinase 5 (CDK5), belongs to the cyclin-dependent kinase family, is a proline-directed serine/threonine-protein kinase that essential for neuronal cell cycle arrest and differentiation and may be involved in apoptotic cell death in neuronal diseases by triggering abortive cell cycle re-entry. CDK5 predominantly expressed in neurons where it phosphorylates both high molecular weight neurofilaments and microtubule-associated protein tau.

## 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

\*\*\* 20ul sizes contain 0.1% BSA

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

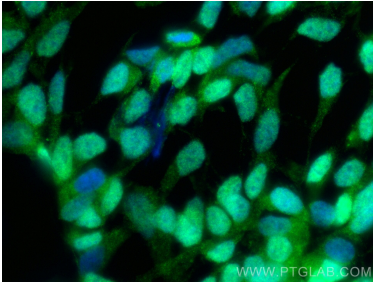
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using CoraLite® Plus 488 CDK5 antibody (CL488-10430) at dilution of 1:200.