

For Research Use Only

# CoraLite® Plus 488-conjugated CDK2 Recombinant monoclonal antibody

Catalog Number:CL488-83635-5



## Basic Information

<b>Catalog Number:</b> CL488-83635-5	<b>GenBank Accession Number:</b> BC003065	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 1017	<b>CloneNo.:</b> 240580A6
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P24941	<b>Recommended Dilutions:</b> IF/ICC: 1:50-1:500
<b>Immunogen Catalog Number:</b> AG17133	<b>Full Name:</b> cyclin-dependent kinase 2	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
	<b>Calculated MW:</b> 298 aa, 34 kDa	
	<b>Observed MW:</b> 30 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human	

## Background Information

CDK2(Cyclin-dependent kinase 2) is also named as CDKN2 and belongs to the protein kinase superfamily. It is dispensable for myelination but is important for adult oligodendrocyte progenitor cell renewal, and could be one of the underlying mechanisms that drive adult progenitors to differentiate and thus regenerate myelin(PMID:21502361). G2 phase CCNA1/CDK2 controls the timing of entry into mitosis by controlling the subsequent activation of CCNB/CDK1, but also has an unexpected role in coordinating the activation of CCNB/CDK1 at the centrosome and in the nucleus(PMID:18372919).

## 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, pH7.3  
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

W: 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 HeLa cells using CoraLite® Plus 488 CDK2 antibody (CL488-83635-5, Clone: 240580A6) at dilution of 1:200, CL594-phalloidin (red).