

For Research Use Only

CoraLite® Plus 488-conjugated CDK2 Recombinant monoclonal antibody

Catalog Number:CL488-83635-5



Basic Information

Catalog Number:

CL488-83635-5

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17133

GenBank Accession Number:

BC003065

GeneID (NCBI):

1017

UNIPROT ID:

P24941

Full Name:

cyclin-dependent kinase 2

Calculated MW:

298 aa, 34 kDa

Observed MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

240580A6

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 : HeLa cells,

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:

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in USA), or 1(312) 455-8498 (outside USA)

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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).