

For Research Use Only

CDK4 Recombinant antibody, PBS Only

Catalog Number: 83994-3-PBS



Basic Information

Catalog Number:

83994-3-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20538

GenBank Accession Number:

BC010153

GeneID (NCBI):

1019

UNIPROT ID:

P11802

Full Name:

cyclin-dependent kinase 4

Calculated MW:

34 kDa

Observed MW:

30-34 kDa

Purification Method:

Protein A purification

CloneNo.:

241053F10

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human

Background Information

Cyclin-dependent kinase-4 (CDK4) is a protein-serine kinase involved in the cell cycle. It is essential for the G1-to S-phase transition during the cell cycle, and its expression is primarily controlled at the transcriptional level (PMID:17253961). The CCND1-CDK4 axis is critical not only in glial tumor cells but also in stromal-derived cells in the surrounding tumor microenvironment, which are vital to sustain tumor outgrowth (PMID:21844184).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

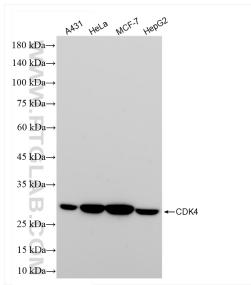
T: 4006900926

E: Proteintech-CN@ptglab.com

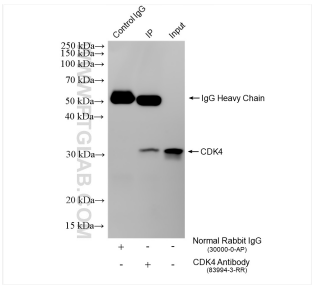
W: ptgcn.com

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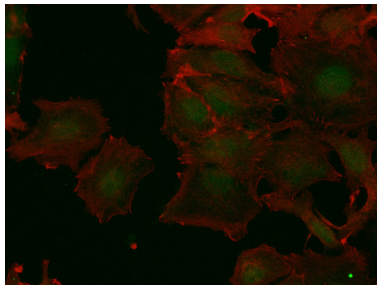
Selected Validation Data



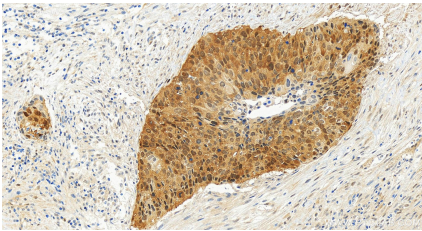
Various lysates were subjected to SDS PAGE followed by western blot with 83994-3-RR (CDK4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83994-3-PBS in a different storage buffer formulation.



IP result of anti-CDK4 (IP:83994-3-RR, 4ug; Detection:83994-3-RR 1:500) with HeLa cells lysate 1280 ug. This data was developed using the same antibody clone with 83994-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CDK4 antibody (83994-3-RR, Clone: 241053F10) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83994-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human cervical squamous cancer tissue slide using 83994-3-RR (CDK4 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83994-3-PBS in a different storage buffer formulation.