CDK2
Polyclonal ANTIBODY
Catalog Number: 10122-1-AP

Basic Information
Catalog Number: 10122-1-AP
Size: 60 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG0166
GenBank Accession Number: BX00065
Gene ID (NCBI): 1017
Full Name: cyclin-dependent kinase 2
Calculated MW: 33 kDa
Observed MW: 33 kDa

Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 μg for IP and 1:100-1:3000 for WB
IF 1:20-1:200

Applications
Tested Applications: FC, IF, IP, WB, ELISA
Cited Applications: CoIP, IHC, WB
Species Specificity: human, mouse, rat
Cited Species: human, mouse, zebrafish

Background Information
CDK2 (cyclin-dependent kinase 2) is also named as CDKN2 and belongs to the protein kinase superfamily, CMGC Ser/Thr protein kinase family, CD2/CDKX subfamily. It is involved in the control of the cell cycle; essential for meiosis, but dispensable for mitosis. It has 2 isoforms produced by alternative splicing.

Notable Publications
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<th>Author</th>
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<tr>
<td>Xiaoman Chen</td>
<td>30207732</td>
<td>Mol Pharm</td>
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<td>Vermont P Dya</td>
<td>27628414</td>
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<td>Yingjie Zhao</td>
<td>26979815</td>
<td>Am J Cancer Res</td>
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Storage
Store at -20°C. Stable for one year after shipment.

Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product, please contact:
T: 1 (888) 4PTGLAB (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
K-562 cells were subjected to SDS PAGE followed by western blot with 10122-1-AP (CDK2 antibody) at a dilution of 1:600 incubated at room temperature for 1.5 hours.

IP Result of anti-CDK2 (IP: 10122-1-AP, 3ug; Detection: 10122-1-AP 1:1500) with HeLa cell lysate 4650ug.

Immuno-fluorescent analysis of HepG2 cells, using CDK2 antibody 10122-1-AP at 1:100 dilution and FITC labeled donkey anti-rabbit IgG (green). Blue pseudocolor = DAPI (fluorescent DNA dye).

105/16 HepG2 cells were stained with 0.3ug CDK2 antibody (10122-1-AP, red) and control antibody (blue), fixed with 1% PFA (10 min), Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) with dilution 1:1000.