Nur für Forschungszwecke

Cyclin A2 Polyklonaler Antikörper

Katalog-Nr.:18202-1-AP Vorgestelltes Produkt 128 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
18202-1-AP

Größe:
150ul , Konzentration: 850 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG12765

GenBank-Zugangsnummer:
BC104783

GeneID (NCBI):
890

Vollständiger Name:
cyclin A2

Berechneté Masse:
432 aa, 49 kDa

Beobachteté Masse:
48-52 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:5000-1:50000
IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB
IHC 1:500-1:2000
IF 1:200-1:800

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
CoIP, WB

Getestete Reaktivität:
Human, Maus

Zitierte Arten:
Affe, Hausschwein, Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : HL-60-Zellen, HeLa-Zellen, K-562-Zellen, MCF-7-Zellen, NIH/3T3-Zellen, U-937-Zellen

IP : HL-60-Zellen,

IHC : humanes Tonsillitisgewebe, humanes Kolonkarzinomgewebe, humanes Mammakarzinomgewebe

IF : HepG2-Zellen,

Hintergrundinformationen

Cyclin A2 belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. In contrast to cyclin A1, which is present only in germ cells, this cyclin is expressed in all tissues tested. Cyclin A2 binds and activates CDC2 or CDK2 kinases, and thus promotes both cell cycle G1/S and G2/M transitions. Cyclin A2 could be phosphorylated during the G2/M.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Wei-Liang Ye	26419507	Sci Rep	WB
Ousman Tamgue	28952292	Asian Pac J Cancer Prev	WB
Xie Mengyan	36176446	Front Pharmacol	IHC,WB

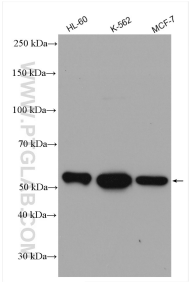
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

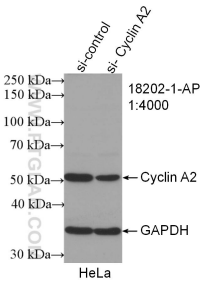
*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

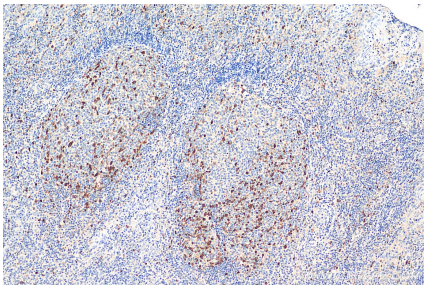
Ausgewählte Validierungsdaten



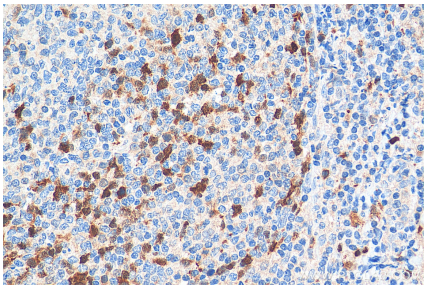
Various lysates were subjected to SDS PAGE followed by western blot with 18202-1-AP (Cyclin A2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



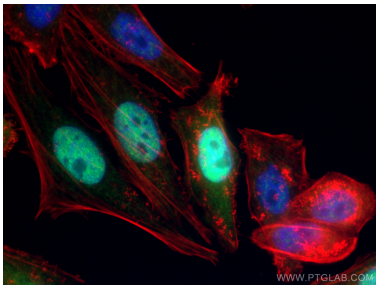
WB result of Cyclin A2 antibody (18202-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Cyclin A2 transfected HeLa cells.



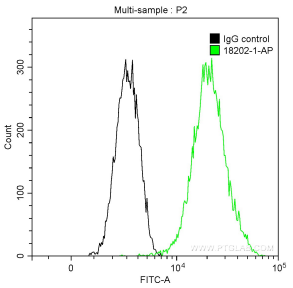
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 18202-1-AP (Cyclin A2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



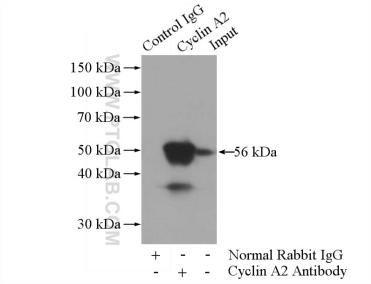
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 18202-1-AP (Cyclin A2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Cyclin A2 antibody (18202-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1X10^6 HeLa cells were intracellularly stained with 0.2 ug Anti-Human Cyclin A2 (18202-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH .



IP Result of anti-Cyclin A2 (IP:18202-1-AP, 3ug; Detection:18202-1-AP 1:500) with HL-60 cells lysate 4000ug.