

Nur für Forschungszwecke

CDK9 Polyklonaler Antikörper

Katalog-Nr.: 11705-1-AP

8 Publikationen



Allgemeine Informationen

Katalog-Nr.: 11705-1-AP	GenBank-Zugangsnummer: BC001968	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 650 µg/ml von Nanodrop und 400 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 1025	Empfohlene Verdünnungen: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: cyclin-dependent kinase 9	
Isotyp: IgG	Berechnete Masse: 372 aa, 43 kDa	
Immunogen Katalognummer: AG2318	Beobachtete Masse: 43 kDa, 55 kDa	

Anwendungen

Geprüfte Anwendungen: FC, IF, IHC, WB, ELISA	Positivkontrollen: WB: Jurkat-Zellen, A431-Zellen, HEK-293-Zellen, humanes Plazenta-Gewebe IHC: humanes Gliomgewebe, humanes Lungenkarzinomgewebe IF: HeLa-Zellen,
In Publikationen genannte Anwendungen: IHC, IP, WB	
Getestete Reaktivität: Human	
Zitierte Arten: Human, Maus	
Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

CDK9(Cyclin-dependent kinase 9) is a member of the Cdc2-like family of kinases. Its cyclin partners are members of the family of cyclin T (T1, T2a and T2b) and cyclin K. The CDK9/cyclin T complexes appear to be involved in regulating several physiological processes. CDK9 has also been described as the kinase of the TAK complex, which is homologous to the P-TEFb complex and involved in HIV replication. In addition, CDK9 seems to have an anti-apoptotic function in monocytes, that may be related to its control over differentiation of monocytes (PMID: 12432243). CDK9 has two isoforms with the molecular mass of 42 kDa and 55 kDa, and the relative abundance of Cdk9(42kDa) and Cdk9(55kDa) changes in different cell types (PMID: 12706900, 15780980).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Gongwei Wu	28474697	Nat Commun	WB
Xiaolei Zhang	32578935	Proteomics	WB
Hongyu Hu	27315790	Chem Biol Drug Des	

Lagerung

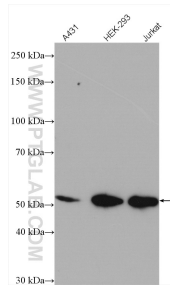
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

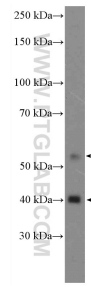
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

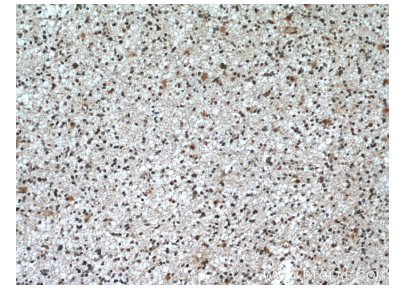
Ausgewählte Validierungsdaten



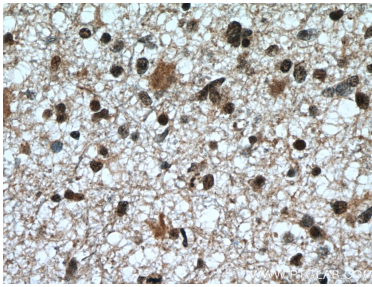
Various lysates were subjected to SDS PAGE followed by western blot with 11705-1-AP (CDK9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



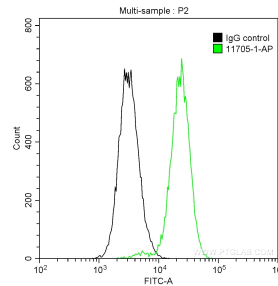
Jurkat cells were subjected to SDS PAGE followed by western blot with 11705-1-AP (CDK9 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



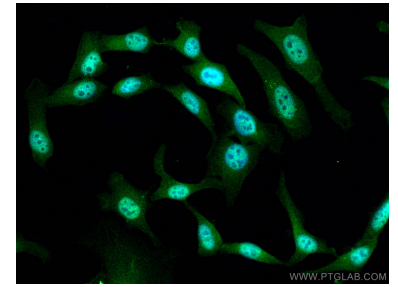
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11705-1-AP (CDK9 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11705-1-AP (CDK9 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10⁶ HeLa cells were intracellularly stained with 0.2 ug Anti-Human CDK9 (11705-1-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.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CDK9 antibody (11705-1-AP) at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).