

Nur für Forschungszwecke

CSNK2A1 Polyklonaler Antikörper

Katalog-Nr.:10992-1-AP

Vorgestelltes Produkt

20 Publikationen



Allgemeine Informationen

Katalog-Nr.:
10992-1-AP

Größe:
150ul, Konzentration: 700 µg/ml von
Nanodrop und 620 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG1452

GenBank-Zugangsnummer:
BC011668

GeneID (NCBI):
1457

Vollständiger Name:
casein kinase 2, alpha 1 polypeptide

Berechnete Masse:
45 kDa

Beobachtete Masse:
40-45 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:8000

IP 0.5-4.0 µg für IP und 1:500-1:2000

für WB

IHC 1:50-1:500

IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus

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

Positivkontrollen:

WB : PC-3-Zellen, A431-Zellen, K-562-Zellen, NIH/3T3-Zellen, Raji-Zellen

IP : HeLa-Zellen,

IHC : humanes Mammakarzinomgewebe, humanes Kolonkarzinomgewebe

IF : HeLa-Zellen,

Hintergrundinformationen

CSNK2A1(Casein kinase II subunit alpha) is also named as CK2A1 and belongs to the CK2 subfamily. The CSNK2A1 gene contains 8 exons whose sequences comprise bases 102 to 824 of the coding region of the human casein kinase II alpha subunit. Casein kinase II is a ubiquitous protein-serine/threonine kinase in eukaryotic cells that catalyzes the phosphorylation of many protein substrates and has been regarded as a second-messenger-independent protein kinase. This enzyme is composed of an α subunit (37 to 44kDa) and a β subunit (24 to 28 kDa) and exists as an $\alpha_2\beta_2$ tetramer (PMID:1448100). Casein kinase 2 has been found to be increased at protein level and up-regulated at the level of enzyme activity in the majority of cancers. However, elevated levels of casein kinase 2 are present in certain normal organs such as brain and testes.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
C Shu	36306106	J Endocrinol Invest	WB,IP
Xuehui Li	34756889	J Biol Chem	IP
Xingtang Niu	32433772	J Burn Care Res	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

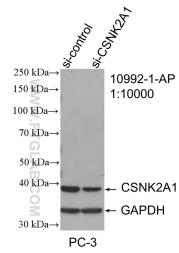
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

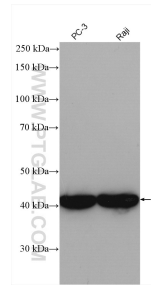
E: proteintech@ptglab.com
W: ptglab.com

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

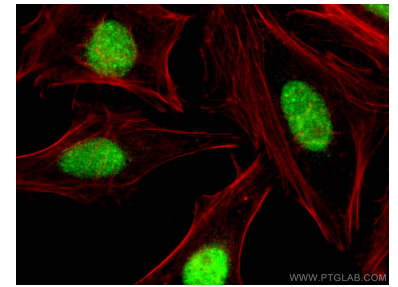
Ausgewählte Validierungsdaten



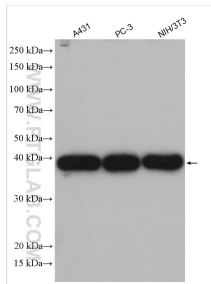
WB result of CSNK2A1 antibody (10992-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CSNK2A1 transfected PC-3 cells.



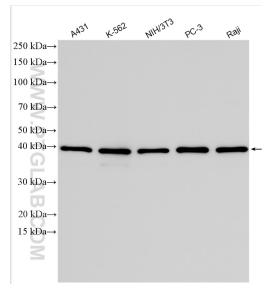
Various lysates were subjected to SDS PAGE followed by western blot with 10992-1-AP (CSNK2A1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



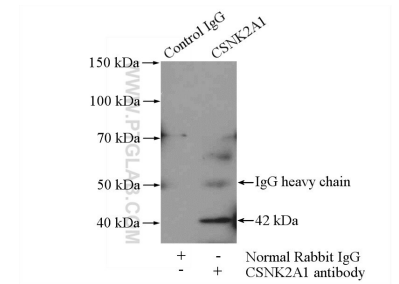
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 10992-1-AP (CSNK2A1 antibody), at dilution of 1:100 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Phalloidine stains the F-actin.



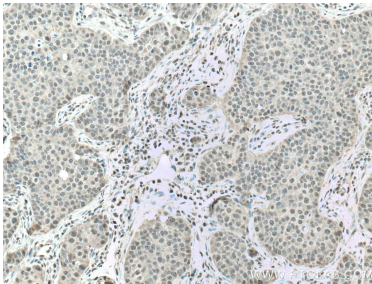
Various lysates were subjected to SDS PAGE followed by western blot with 10992-1-AP (CSNK2A1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



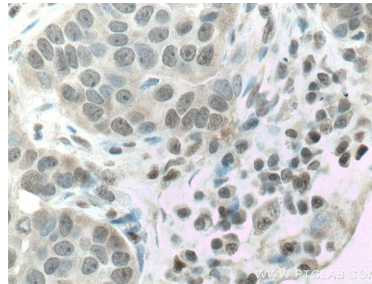
Various lysates were subjected to SDS PAGE followed by western blot with 10992-1-AP (CSNK2A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP Result of anti-CSNK2A1 (IP:10992-1-AP, 4ug; Detection:10992-1-AP 1:1000) with HeLa cells lysate 2800ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10992-1-AP (CSNK2A1 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 breast cancer tissue slide using 10992-1-AP (CSNK2A1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).