

For Research Use Only

CSNK2A1 Monoclonal antibody, PBS Only

Catalog Number: 68200-1-PBS



Basic Information

Catalog Number: 68200-1-PBS	GenBank Accession Number: BC011668	Purification Method: Protein G purification
Size: 1mg/ml	GeneID (NCBI): 1457	CloneNo.: 1D5E8
Source: Mouse	UNIPROT ID: P68400	
Isotype: IgG1	Full Name: casein kinase 2, alpha 1 polypeptide	
Immunogen Catalog Number: AG29062	Calculated MW: 45 kDa	
	Observed MW: 40-45 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, rabbit

Background Information

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 44 kDa) 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.

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:

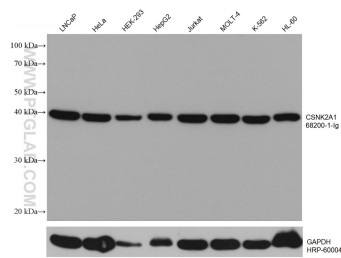
T: 4006900926

E: Proteintech-CN@ptglab.com

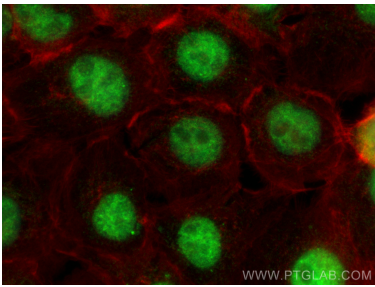
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68200-1-Ig (CSNK2A1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68200-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CSNK2A1 antibody (68200-1-Ig, Clone: 1D5E8) at dilution of 1:1500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red). This data was developed using the same antibody clone with 68200-1-PBS in a different storage buffer formulation.