

For Research Use Only

# CoraLite® Plus 488-conjugated CSNK2A1 Recombinant antibody

Catalog Number: CL488-83805-4



## Basic Information

Catalog Number: CL488-83805-4	GenBank Accession Number: BC011668	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 1457	CloneNo.: 240862A7
Source: Rabbit	UNIPROT ID: P68400	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: casein kinase 2, alpha 1 polypeptide	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG1452	Calculated MW: 45 kDa	
	Observed MW: 40-45 kDa	

## Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human, mouse, rat	

## 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  $\alpha$  subunit (37 to 44 kDa) and a  $\beta$  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.

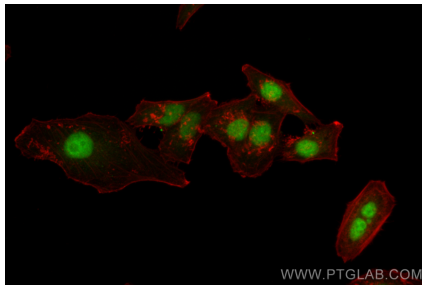
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 CSNK2A1 antibody (CL488-83805-4, Clone: 240862A7 ) at dilution of 1:200.