



Rabbit Anti-CSNK1A1L antibody

SL12943R

Product Name:	CSNK1A1L
Chinese Name:	酪蛋白激酶1/casein kinase I α 抗体
Alias:	Casein kinase 1, alpha 1 like; casein kinase 1, alpha 1-like; Casein kinase I alpha S like; Casein kinase I isoform alpha like; CK1; CKI alpha like; MGC33182; OTTHUMP00000018267; RP11 532O21.2; KC1AL HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	39kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CSNK1A1L:201-300/337
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Casein kinase I (also designated CKI) and casein kinase II (CKII) compose a family of serine/threonine protein kinases which are present in all eukaryotes examined to date. Casein kinase I family members, which include casein kinase I Alpha, I Gamma, I Delta and I Epsilon, have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair, membrane trafficking, circadian

rhythm, cell cycle progression, chromosome segregation, apoptosis and cellular differentiation. Casein kinase I isoform alpha-like (CSNK1A1L) is a 337 amino acid protein that shares a high degree of sequence similarity with the alpha isoform of casein kinase 1. CSNK1A1L resides in the cytoplasm and participates in the Wnt signaling pathway. By utilizing ATP within its protein kinase domain, CSNK1A1L phosphorylates a large number of proteins.

Function:

Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. CSNK1A1L can phosphorylate a large number of proteins and participates in Wnt signaling.

Subcellular Location:

Cytoplasmic.

Similarity:

Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family. Casein kinase I subfamily.

Contains 1 protein kinase domain

SWISS:

Q8N752

Gene ID:

122011

Database links:

[Entrez Gene: 122011](#)Human

[GenBank: NP_660204.2](#)Human

[SwissProt: Q8N752](#)Human

[Unigene: 512897](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.