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## Datasheet for ABIN1713980 anti-CSNK1A1 antibody (pTyr294)

2 Images



### Overview

Quantity:	100 μL
Target:	CSNK1A1
Binding Specificity:	pTyr294
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CSNK1A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Casein Kinase 1 alpha around the phosphorylation site of Tyr294
Isotype:	lgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Sheep,Chicken,Rabbit
Purification:	Purified by Protein A.

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## Target Details

Target:	CSNK1A1
Abstract:	CSNK1A1 Products
Background:	Synonyms: Casein Kinase 1 alpha phospho Y294, p-CK1A phospho Y294, Casein kinase 1 alpha 1, Casein kinase I isoform alpha, CK1, CK1A, CKI alpha, CKI-alpha, CKIa, Clock regulator kinase, Csnk1a1, Down regulated in lung cancer, HLCDGP1, KC1A_HUMAN, PRO2975. Background: Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling. Phosphorylates CTNNB1 at 'Ser-45'. May play a role in segregating chromosomes during mitosis.
Gene ID:	1452
Pathways:	WNT Signaling, Hedgehog Signaling

## Application Details

WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500
For Research Use only
Liquid
Liquid 1 μg/μL
1 μg/μL
1 μg/μL 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
1 μg/μL 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. ProClin

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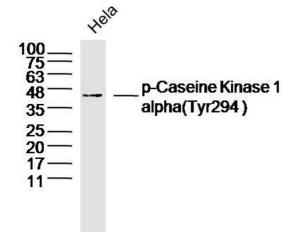
Storage Comment:

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date:

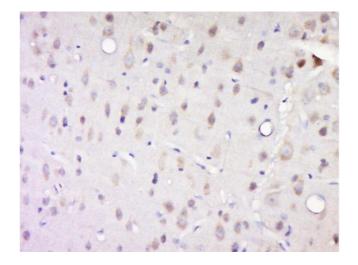
12 months

#### Images



#### Western Blotting

**Image 1.** Hela lysates probed with Casein Kinase 1 alpha (Tyr294) Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Paraformaldehyde-fixed, paraffin embedded rat brain, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Casein Kinase 1 alpha (Tyr294) Antibody, Unconjugated at 1:200 overnight at 4°C, followed by a conjugated secondary and DAB staining.

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