

Datasheet for ABIN7138970
anti-CSNK1A1 antibody (pTyr294)

2 Images

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Overview

Quantity:	100 µL
Target:	CSNK1A1
Binding Specificity:	pTyr294
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CSNK1A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 294 (Y-D-Y(p)-T-F) derived from Human CK-1alpha.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	CSNK1A1
Alternative Name:	CSNK1A1/CSNK1A1L (CSNK1A1 Products)

Target Details

Background:	<p>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.</p> <p>Participates in Wnt signaling. Phosphorylates CTNNB1 at 'Ser-45'. May play a role in segregating chromosomes during mitosis. Tapia C., FEBS Lett. 349:307-312(1994). Fish K.J., J. Biol. Chem. 270:14875-14883(1995). Halleck A., Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.</p> <p>Aliases: KC1A, CKI-alpha, CSNK1A1, alpha isoform, Casein kinase I</p>
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UniProt:	P48729 , Q8N752
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Pathways:	WNT Signaling , Hedgehog Signaling
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Application Details

Application Notes:	WB:1:500-1:1000, IHC:1:50-1:100,
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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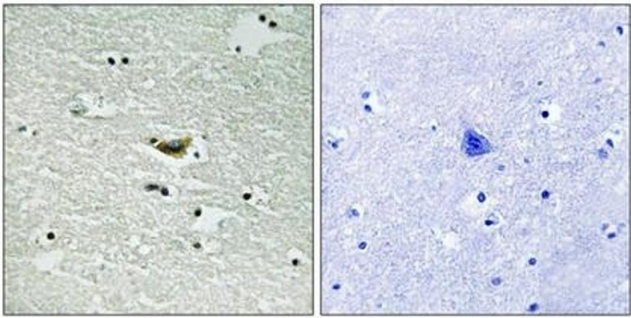
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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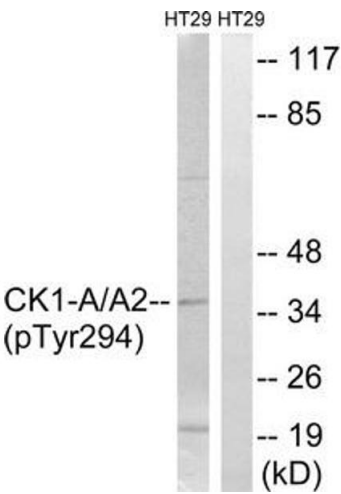
Storage:	-20 °C, -80 °C
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Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
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Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human brain tissue using CK-1α (Phospho-Tyr294) antibody (left) or the same antibody preincubated with blocking peptide (right).



Western Blotting

Image 2. Western blot analysis of extracts from HT-29 cells treated with heat shock using CK-1α (Phospho-Tyr294) Antibody. The lane on the right is treated with the antigen-specific peptide.