

Rabbit anti-Human CK-1alpha Polyclonal Antibody | anti-CK-1alpha antibody

CK-1alpha (Phospho-Tyr294) Antibody

CATALOG # AAA307832	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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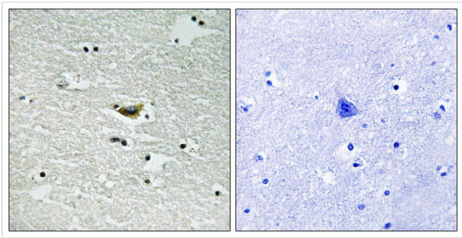
PRODUCT SYNONYMS

CK-1alpha; Polyclonal Antibody; CK-1alpha (Phospho-Tyr294) Antibody; CK-1a (Phospho-Tyr294) Antibody; KC1A; CKI-alpha; CSNK1A1; alpha isoform; Casein kinase I; anti-CK-1alpha antibody

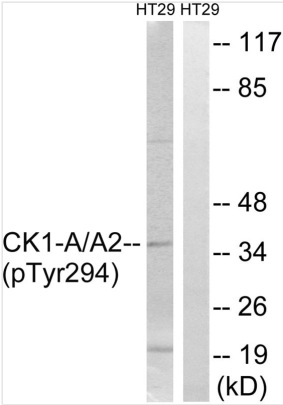
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of CK-1a only when phosphorylated at tyrosine 294.
Purity/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
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	365
Applicable Applications for anti-CK-1alpha antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 294 (Y-D-Y(p)-T-F) derived from Human CK-1a.
Modification	Phospho-Tyr294
Target Name	CK-1a
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



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



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

ADDITIONAL INFORMATION

Related Product Information for anti-CK-1alpha antibody	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. 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/DBJ databases.
Product Categories/Family for anti-CK-1alpha antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	68303575
NCBI GeneID	1452
NCBI Accession #	NP_001020276.1
NCBI GenBank Nucleotide #	NM_001025105.2
UniProt Accession #	P48729; Q4JJA0; Q5U046; Q5U047; Q6FGA2; Q71TU5; Q96HD2; Q9UDK3; D3DQG0; D3DQG1
Molecular Weight	37,567 Da
NCBI Official Full Name	casein kinase I isoform alpha isoform 1
NCBI Official Synonym Full Names	casein kinase 1, alpha 1
NCBI Official Symbol	CSNK1A1
NCBI Official Synonym Symbols	CK1; CK1a; CK1a; HLCDGP1; PRO2975; HEL-S-77p
NCBI Protein Information	casein kinase I isoform alpha
UniProt Protein Name	Casein kinase I isoform alpha
UniProt Gene Name	CSNK1A1
UniProt Synonym Gene Names	CKI-alpha
UniProt Entry Name	KC1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

