

CK-1 α (Phospho-Tyr294) Antibody

Catalog No: #11728



Package Size: #11728-1 50ul #11728-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

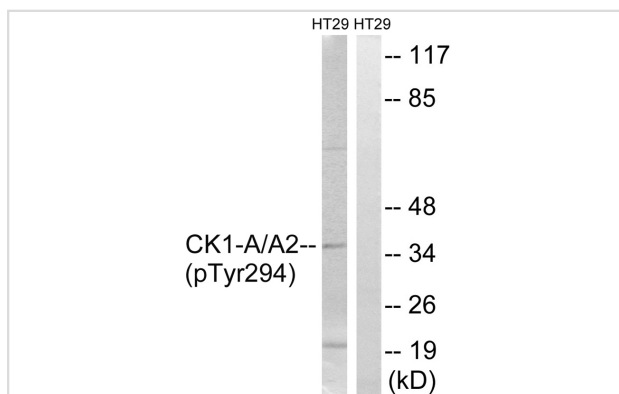
Product Name	CK-1 α (Phospho-Tyr294) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of CK-1 α only when phosphorylated at tyrosine 294.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 294 (Y-D-Y(p)-T-F) derived from Human CK-1 α .
Target Name	CK-1 α
Modification	Phospho
Other Names	KC1A; CKI-alpha; CSNK1A1; alpha isoform; Casein kinase I
Accession No.	Swiss-Prot#: P48729/Q8N752; NCBI Gene#: 1452/122011; NCBI Protein#: NP_001883.4.
SDS-PAGE MW	37kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

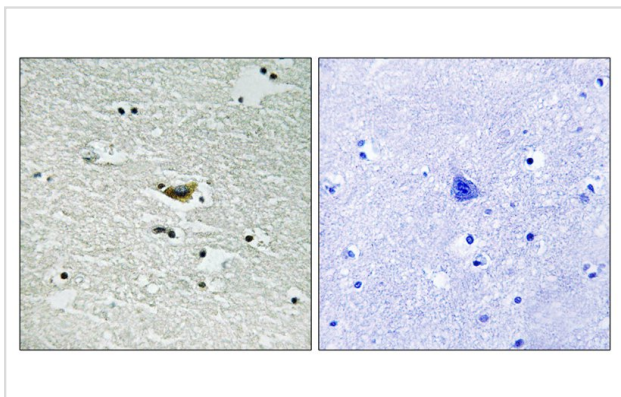
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HT-29 cells treated with heat shock using CK-1 α (Phospho-Tyr294) Antibody #11728. The lane on the right is treated with the antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human brain tissue using CK-1 α (Phospho-Tyr294) antibody #11728 (left) or the same antibody preincubated with blocking peptide (right).

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.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.