Data Sheet (Cat.No.TMAC-00870)

Anti-Phospho-CK1 alpha (Tyr294) Polyclonal Antibody

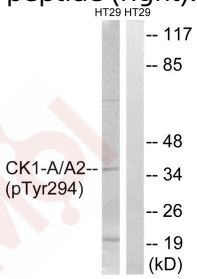
Product Details

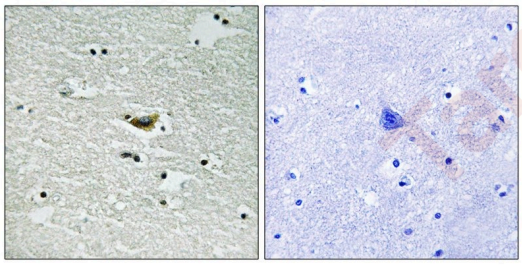
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Actual: 37 kDa.
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Applications

Verified Activity:

1. Western blot analysis of extracts from HT-29 cells treated with heat shock using CK-1α (Phospho-Tyr294) Antibody TMAC-00870.The lane on the right is treated with the antigen-specific peptide.
2. Immunohistochemical analysis of paraffin-embedded human brain tissue using CK-1α (Phospho-Tyr294) antibody TMAC-00870 (left)or the same antibody preincubated with blocking peptide (right).





Application:	IHC,WB
Recommended	WB: 1:500-1000; IHC: 1:50-100

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 294 (Y-D-Y(p)-T-F) derived from Human CK-1α
Antigen Species:	human
Uniprot ID:	P48729/Q8N752
Synonyms:	CK1 alpha (p-Tyr294);p-CK1 alpha (Tyr294);p-CK1 alpha (Y294);CK1 alpha (p-Y294)

Research 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.

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