

CK-1 $\alpha$  (Phospho-Tyr294) Conjugated Antibody

Catalog No: #C11728



Package Size: #C11728-AF350 100ul #C11728-AF405 100ul #C11728-AF488 100ul

#C11728-AF555 100ul #C11728-AF594 100ul #C11728-AF647 100ul

#C11728-AF680 100ul #C11728-AF750 100ul #C11728-Biotin 100ul

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## Description

Product Name	CK-1 $\alpha$ (Phospho-Tyr294) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of CK-1 $\alpha$ only when phosphorylated at tyrosine 294.
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 294 (Y-D-Y(p)-T-F) derived from Human CK-1 $\alpha$ .
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	KC1A;CKI-alpha;CSNK1A1; alpha isoform;Casein kinase I
Accession No.	Swiss-Prot#:P48729/Q8N752NCBI Gene ID:1452/122011NCBI mRNA#:NM_001892.5. NCBI Protein#:NP_001883.4.
Uniprot	P48729
GeneID	1452;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	37
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

## Product Description

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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.

## Background

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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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Note: This product is for in vitro research use only