

Immunotag™ Phospho-CK-1 alpha (Tyr294) Antibody

Antibody Specification	
Catalog No.	ITA8477
Product Description	Immunotag™ Phospho-CK-1 alpha (Tyr294) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-CK-1 alpha (Tyr294)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:1000-3000 IHC 1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Phospho-CK-1 alpha (Tyr294)
Specificity	Phospho-CK-1 alpha (Tyr294) Antibody detects endogenous levels of CK-1 alpha only when phosphorylated at PhoTyr294
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	CSNK1A1
Accession No.	P48729/Q8N752
Alternate Names	Casein kinase 1 alpha 1; Casein kinase I isoform alpha; CK1; CK1A; CKI alpha; CKI-alpha; CKIa; Clock regulator kinase; Csnk1a1; Down regulated in lung cancer; HLCDGP1; KC1A_HUMAN; PRO2975; Casein kinase 1, alpha 1 like; casein kinase 1, alpha 1-like; Casein kinase I alpha S like; Casein kinase I isoform alpha like; CK1; CKI alpha like; MGC33182; OTTHUMP00000018267; RP11 532O21.2;

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Description	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 phosphorylate PER1 and PER2. May play a role in segregating chromosomes during mitosis (PubMed:11955436, PubMed:1409656, PubMed:18305108). May play a role in keratin cytoskeleton disassembly and thereby, it may regulate epithelial cell migration (PubMed:23902688).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	38 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.