

# Product datasheet for TA340032

## CK1 epsilon (CSNK1E) Rabbit Polyclonal Antibody

### **Product data:**

#### **Product Type: Primary Antibodies Applications:** WB Recommended Dilution: WB **Reactivity:** Human Rabbit Host: Isotype: lgG Polyclonal **Clonality:** Immunogen: The immunogen for anti-CSNK1E antibody: synthetic peptide directed towards the N terminal of human CSNK1E. Synthetic peptide located within the following region: MELRVGNKYRLGRKIGSGSFGDIYLGANIASGEEVAIKLECVKTKHPQLH Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers. Concentration: lot specific **Purification:** Affinity Purified **Conjugation:** Unconjugated Storage: Store at -20°C as received. Stable for 12 months from date of receipt. Stability: Predicted Protein Size: 47 kDa Gene Name: casein kinase 1 epsilon Database Link: NP 001885 Entrez Gene 1454 Human P49674



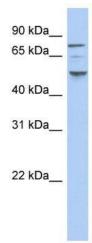
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### OriGene Technologies, Inc.

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	CK1 epsilon (CSNK1E) Rabbit Polyclonal Antibody – TA340032
Background:	Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. CSNK1E can phosphorylate a large number of proteins. CSNK1E participates in Wnt signaling and is the central component of the circadian clock. It may act as a negative regulator of circadian rhythmicity by phosphorylating PER1 and PER2. CSNK1E inhibits cytokine-induced granuloytic differentiation.The protein encoded by this gene is a serine/threonine protein kinase and a member of the casein kinase I protein family, whose members have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. The encoded protein is found in the cytoplasm as a monomer and can phosphorylate a variety of proteins, including itself. This protein has been shown to phosphorylate period, a circadian rhythm protein. Two transcript variants encoding the same protein have been found for this gene.
Synonyms:	CKIepsilon; HCKIE
Note:	lmmunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Sheep: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Yeast: 93%; Zebrafish: 93%
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways	Circadian rhythm - mammal, Hedgehog signaling pathway, Wnt signaling pathway
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### **Product images:**



WB Suggested Anti-CSNK1E Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: THP-1 cell lysate

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