

## Casein kinase I isoform epsilon Polyclonal Antibody

Catalog No: #42244

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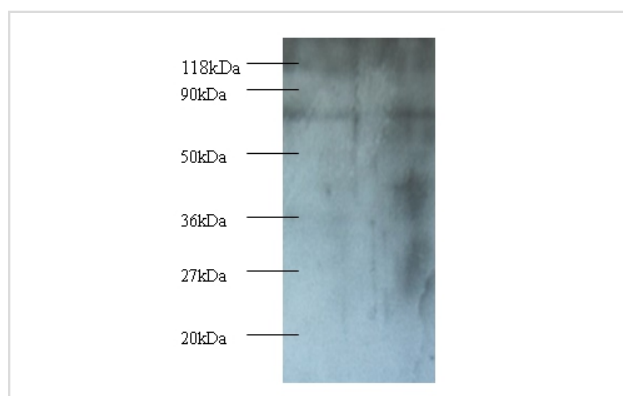
## Description

|                       |   |
|-----------------------|---|
| Product Name          | Casein kinase I isoform epsilon Polyclonal Antibody   |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Caprylic Acid Ammonium Sulfate Precipitation purified   |
| Applications          | WB  |
| Species Reactivity    | Hu  |
| Specificity           | The antibody detects endogenous level of total Casein kinase I isoform epsilon polyclonal antibody. |
| Immunogen Type        | protein   |
| Immunogen Description | Recombinant human Casein kinase I isoform epsilon protein   |
| Target Name           | Casein kinase I isoform epsilon   |
| Other Names           | CSNK1E, CKI-epsilon, CKIe   |
| Accession No.         | Swiss-Prot#: P49674   |
| Uniprot               | P49674  |
| GeneID                | 102800317;1454;   |
| Calculated MW         | 45.8kd  |
| Formulation           | Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                       |
| Storage               | Store at -20°C  |

## Application Details

Western blotting: □ 1:500 - 1:1000

## Images



All lanes : Casein kinase I isoform epsilon antibody at 2ug/mL  
 Lane 1 : EC109 whole cell lysate  
 Lane 2 : 293T whole cell lysate  
 Secondary Goat polyclonal to Rabbit IgG at 1/15000 dilution  
 Predicted band size : 45.8 kDa  
 Observed band size: 75kDa

## Background

Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. Can phosphorylate a large number of proteins. Participates in Wnt signaling. Phosphorylates DVL1. Central component of the circadian clock. May act as a negative regulator of circadian rhythmicity by phosphorylating PER1 and PER2. Retains PER1 in the cytoplasm. Inhibits cytokine-induced granulocytic differentiation.

## References

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[1]"Isolation and characterization of human casein kinase I epsilon (CKI), a novel member of the CKI gene family."Fish K.J., Cegielska A., Getman M.E., Landes G.M., Virshup D.M.J. Biol. Chem. 270:14875-14883(1995) [2]"Casein kinase I epsilon from HeLa ce

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Note: This product is for in vitro research use only