



# Mouse anti-Human CSNK1E monoclonal antibody, clone BG7D2 (CABT-B10038)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |   |
|---------------------------|---|
| <b>Immunogen</b>          | Recombinant His fusion protein corresponding to human CSNK1E.       |
| <b>Isotype</b>            | IgG1, κ   |
| <b>Source/Host</b>        | Mouse   |
| <b>Species Reactivity</b> | Human   |
| <b>Clone</b>              | BG7D2   |
| <b>Conjugate</b>          | Unconjugated  |
| <b>Applications</b>       | WB, IP, ELISA   |
| <b>Format</b>             | Liquid  |
| <b>Size</b>               | 100 µl  |
| <b>Buffer</b>             | In HEPES, 150 mM NaCl (50% glycerol, 0.01% BSA, 0.03% sodium azide) |
| <b>Storage</b>            | -20°C. Avoid freeze/thaw  |

## BACKGROUND

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| <b>Introduction</b> | 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. [provided by RefSeq, Feb 2014]

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| <b>Keywords</b> | CSNK1E; casein kinase 1, epsilon; HCKIE; CKIepsilon; casein kinase I isoform epsilon; CKIepsilon; |
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## GENE INFORMATION

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|-----------------------|--|
| <b>Entrez Gene ID</b> | <a href="#">1454</a>   |
| <b>UniProt ID</b>     | <a href="#">Q5U045</a>   |
| <b>Pathway</b>        | Canonical Wnt signaling pathway, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Circadian rhythm - mammal, organism-specific biosystem; Circadian rhythm - mammal, conserved biosystem |
| <b>Function</b>       | ATP binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity  |

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