

## Casein Kinase I Alpha Monoclonal Antibody

### Description

|                                |   |
|--------------------------------|---|
| <b>Product type</b>            | Primary Antibody  |
| <b>Code</b>                    | BT-MCA0257  |
| <b>Host</b>                    | Mouse   |
| <b>Isotype</b>                 | IgG   |
| <b>Size</b>                    | 50ul, 100ul   |
| <b>Immunogen</b>               | Purified recombinant fragment of Casein Kinase I $\alpha$ expressed in E. Coli. |
| <b>Mol wt</b>                  | N/A   |
| <b>Species reactivity</b>      | Human   |
| <b>Clonality</b>               | Monoclonal  |
| <b>Recommended application</b> | WB, IHC-p, IF, ELISA  |
| <b>Concentration</b>           | 1 mg/ml   |
| <b>Full name</b>               | Casein kinase I isoform alpha   |
| <b>Synonyms</b>                | CSNK1A1; Casein kinase I isoform alpha; CKI-alpha; CK1                          |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function: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 CTNBN1 on 'Ser-45'.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family. Casein kinase I subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Monomer. Interacts with the Axin complex.,

### Recommended Dilution

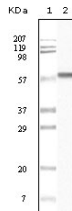
ELISA: 1:10000

IHC: 1:200 - 1:1000

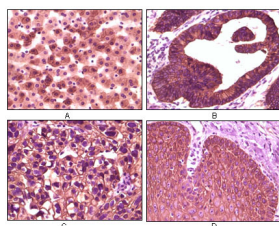
WB: 1:500 - 1:2000

Not yet tested in other applications.

### Images



Western Blot analysis using Casein Kinase IAlpha Monoclonal antibody against truncated CK1 recombinant protein.



Immunohistochemistry analysis of paraffin-embedded human liver tissue (A), colon carcinoma (B), lung carcinoma (C) and esophagus tissue (D), showing membrane localization with DAB staining using Casein Kinase IAlpha Monoclonal antibody.

## Storage

-20°C for one year

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