

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07232 - Goat Anti-Casein Kinase 1, delta Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** casein kinase 1, delta, HGNC:2452, CSNK1D, HCKID, CKIdelta

**Official Symbol:** CSNK1D

**Accession Number(s):** NP\_001884.2; NP\_620693.1

**Human GeneID(s):** [1453](#)

**Non-Human GeneID(s):** 104318 (mouse), 64462 (rat)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_001884.2 and NP\_620693.1)

### Immunogen

Peptide with sequence C-DREERLRHSRNPATR, from the internal region of the protein sequence according to NP\_001884.2; NP\_620693.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 48kDa band observed in Mouse Brain lysates and in preliminary testing of U251 cell lysates (calculated MW of 47.3kDa according to Mouse NP\_620690.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Expression of the protein seen in the Nucleus of U251 cells. Recommended concentration: 10µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse, Rat, Dog

EB07232 (0.2µg/ml) staining of Mouse Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07232 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton.

Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).