

#### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

## EB07758 - Goat Anti-CSNK1E Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** CSNK1E, casein kinase 1, epsilon, RP1-5O6.1, HCKIE, MGC10398, CKI-epsilon, OTTHUMP00000063258, OTTHUMP00000063263, casein kinase 1 epsilon,

casein kinase I epsilon
Official Symbol: CSNK1E

Accession Number(s): NP\_001276841.1

Human GeneID(s): 1454

Non-Human GenelD(s): 27373 (mouse), 58822 (rat)

### **Immunogen**

Peptide with sequence C-PASQTSVPFDHLGK, from the C Terminus of the protein sequence according to NP\_001276841.1.

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 nuclear lysates of cell lines A431and HeLa, and approx 45kDa in nuclear lysates of cell line K562 (calculated MW of 47.3kDa according to NP\_001276841.1). Recommended concentration: 0.3-1μg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Tonsil. Recommended concentration: 5µg/ml.

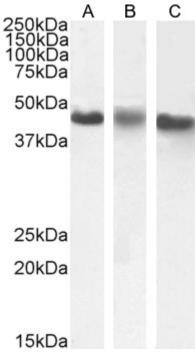
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of HeLa and A431 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

# **Species Reactivity**

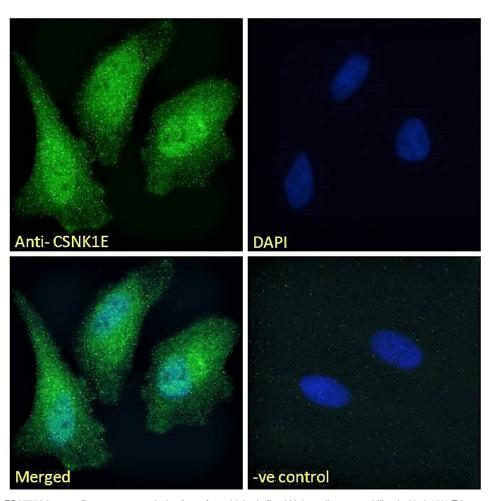
Tested: Human

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

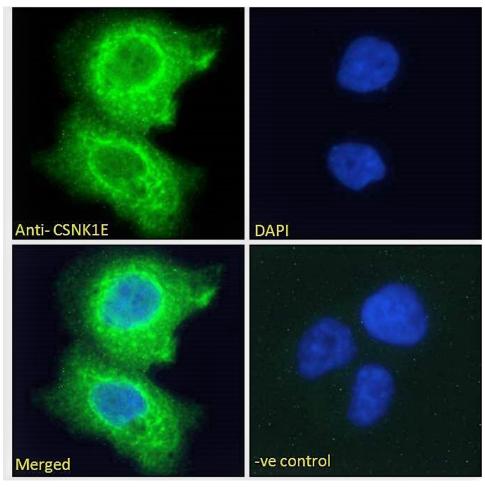


EB07758 (1μg/ml) staining of A431(A), HeLa (B) and K562 (C) nuclear cell lysate (35μg protein in RIPA buffer).

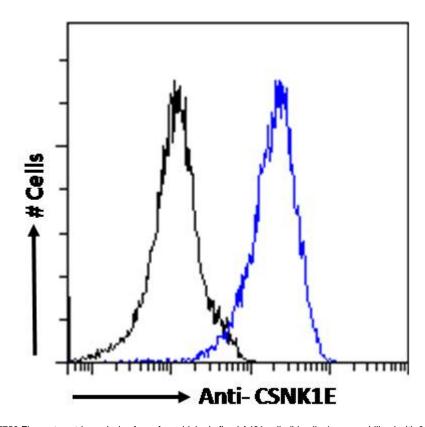
Detected by chemiluminescence.



EB07758 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

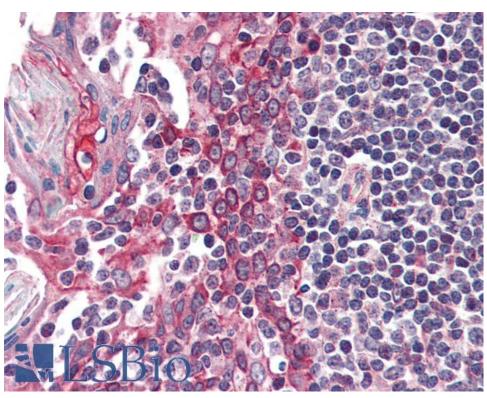


EB07758 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07758 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB07758 (5μg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.