

Casein Kinase 1 alpha (CSNK1A1) Rabbit mAb

Catalog No.: A9308 **Recombinant** **3 Publications**

Basic Information

Observed MW

35kDa

Calculated MW

39kDa

Category

Primary antibody

Applications

WB,Auto WB,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC1860

Background

Enables protein serine/threonine kinase activity. Involved in several processes, including negative regulation of canonical Wnt signaling pathway; peptidyl-serine phosphorylation; and positive regulation of proteasomal ubiquitin-dependent protein catabolic process. Located in centrosome; cytosol; and nuclear speck. Part of beta-catenin destruction complex. Colocalizes with keratin filament and mRNA cleavage and polyadenylation specificity factor complex. Biomarker of Alzheimer's disease and inclusion body myositis.

Recommended Dilutions

WB 1:1000 - 1:6000

Auto WB 1:100 - 1:500

IHC-P 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

1452

Swiss Prot

P48729

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

CK1; CK1a; CKIa; HLCGDP1; PRO2975; HEL-S-77p; Casein Kinase 1 alpha (CSNK1A1)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

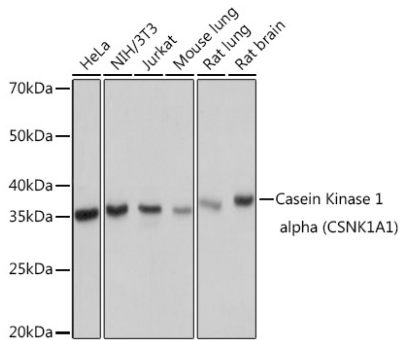
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates using Casein Kinase 1 alpha (CSNK1A1) Rabbit mAb (A9308) at 1:1000 dilution.

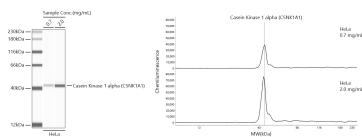
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

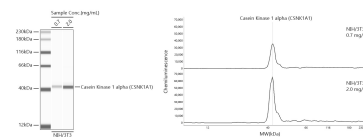
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

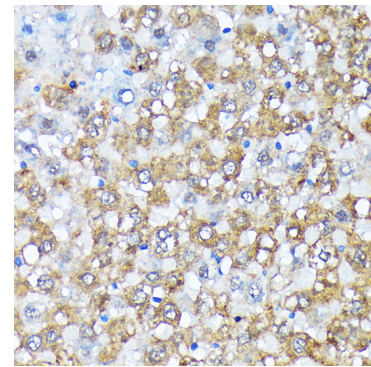
Exposure time: 1s.



Simple Western™ analysis of lysates from HeLa cells using Casein Kinase 1 alpha (CSNK1A1) Rabbit mAb (A9308) at 1:100 dilution. The virtual lane view (left) shows the target band (as indicated) with samples in concentrations of 0.7 mg/mL and 2.0 mg/mL. The corresponding electropherogram view (right) plots chemiluminescence intensity against molecular weight along the capillary for sample concentrations of 0.7 mg/mL and 2.0 mg/mL. This experiment was performed under reducing conditions on the Jess™ Simple Western instrument from ProteinSimple, a BioTechne brand, using the 12-230 kDa separation module.



Simple Western™ analysis of lysates from NIH/3T3 cells using Casein Kinase 1 alpha (CSNK1A1) Rabbit mAb (A9308) at 1:100 dilution. The virtual lane view (left) shows the target band (as indicated) with samples in concentrations of 0.7 mg/mL and 2.0 mg/mL. The corresponding electropherogram view (right) plots chemiluminescence intensity against molecular weight along the capillary for sample concentrations of 0.7 mg/mL and 2.0 mg/mL. This experiment was performed under reducing conditions on the Jess™ Simple Western instrument from ProteinSimple, a BioTechne brand, using the 12-230 kDa separation module.



Immunohistochemistry analysis of paraffin-embedded Rat liver using Casein Kinase 1 alpha (CSNK1A1) Rabbit mAb (A9308) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.