

[KD Validated] Casein Kinase 2 alpha (CSNK2A1) Rabbit mAb

Catalog No.: A19683 **Recombinant**

Basic Information

Observed MW

42kDa

Calculated MW

45kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0163

Background

Casein kinase II is a serine/threonine protein kinase that phosphorylates acidic proteins such as casein. It is involved in various cellular processes, including cell cycle control, apoptosis, and circadian rhythm. The kinase exists as a tetramer and is composed of an alpha, an alpha-prime, and two beta subunits. The alpha subunits contain the catalytic activity while the beta subunits undergo autophosphorylation. The protein encoded by this gene represents the alpha subunit. Multiple transcript variants encoding different protein isoforms have been found for this gene.

Recommended Dilutions

WB 1:500 - 1:1000

Immunogen Information

Gene ID

1457

Swiss Prot

P68400

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Casein Kinase 2 alpha (CSNK2A1) (P68400).

Synonyms

CKII; Cka1; Cka2; CK2A1; OCNDS; [KD Validated] Casein Kinase 2 alpha (CSNK2A1)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

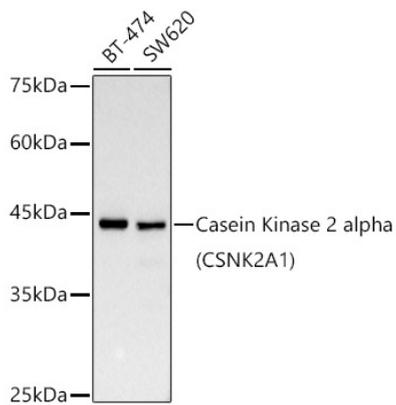
Affinity purification

Storage

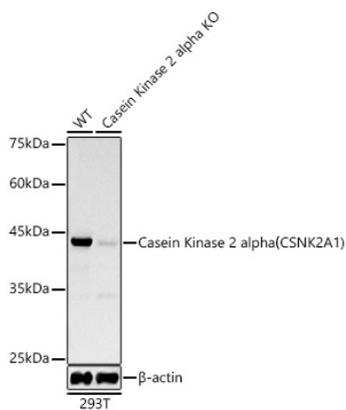
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates, using Casein Kinase 2 alpha (CSNK2A1) antibody (A19683) at 1:1000 dilution.
Secondary antibody: HRP 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: 30s.



Western blot analysis of extracts from wild type(WT) and Casein Kinase 2 alpha (CSNK2A1) knockdown (KD) 293T cells, using Casein Kinase 2 alpha (CSNK2A1) antibody (A19683) at 1:1000 dilution.
Secondary antibody: HRP 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: 30s.