Phospho-Casein Kinase 2 alpha (CSNK2A1)-T360/S362 Rabbit pAb

Catalog NO.: AP0335 **2 Publications**

Basic Information

Observed MW
45kDa

Calculated MW
45kDa

Category
Phosphorylated Antibodies

Applications
WB, ELISA

Cross-Reactivity
Human, Mouse

Conjugation
Unconjugated

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 - 1:2000

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

Immunogen Information

Gene ID
1457

Swiss Prot
P68400

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

Synonyms
CKII; Cka1; Cka2; CK2A1; OCNDS; Phospho-Casein Kinase 2 alpha (CSNK2A1)-T360/S362

Contact

Product Information

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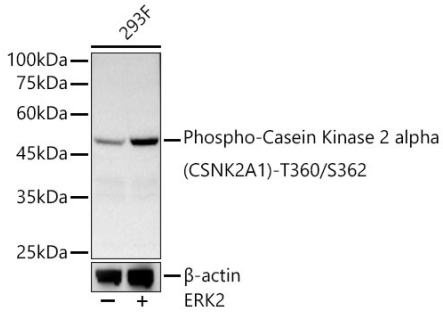
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from 293F cells using Phospho-Casein Kinase 2 alpha (CSNK2A1)-T360/S362 Rabbit pAb (AP0335) at 1:400 dilution. 293F cells were treated with ERK2 (100ng/ml) at 37°C for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.

For research use only. Not for therapeutic or diagnostic purposes.

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