

Datasheet for ABIN7266101

anti-CSNK2A1/CK II alpha antibody



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1 Image

Overview

Quantity:	100 µL
Target:	CSNK2A1/CK II alpha (CSNK2A1)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CSNK2A1/CK II alpha antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Casein Kinase 2 alpha (CSNK2A1) Rabbit mAb
Immunogen:	A synthesized peptide derived from human Casein Kinase 2 alpha (CSNK2A1).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CSNK2A1/CK II alpha (CSNK2A1)
Alternative Name:	CSNK2A1 (CSNK2A1 Products)
Background:	Casein kinase II is a serine/threonine protein kinase that phosphorylates acidic proteins such as

Target Details

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. While this gene is found on chromosome 20, a related transcribed pseudogene is found on chromosome 11. Three transcript variants encoding two different proteins have been found for this gene. [provided by RefSeq, Jul 2014],CK2A1,CKII,CSNK2A3,OCNDS,CKII alpha,CSNK2A1,Cka1,Cka2,Apoptosis,Cell Adhesion,Cell Biology & Developmental Biology,Cell Cycle,Epigenetic writers and erasers of core Histones,Epigenetic writers and erasers of core Histones_Phosphorylation,Epigenetics & Nuclear Signaling,Immunology & Inflammation,Kinase,Kinase_Serine/threonine kinases,NF-kB Signaling Pathway,Signal Transduction,CSNK2A1

Molecular Weight: 45kDa

Gene ID: 1457

UniProt: [P68400](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

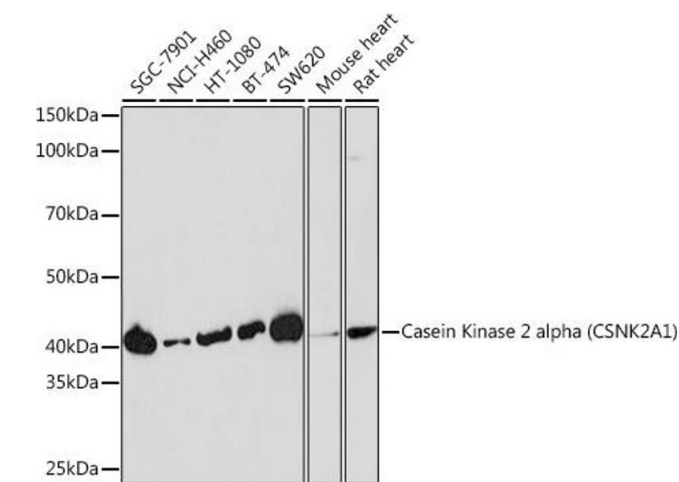
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

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



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Casein Kinase 2 alpha (CSNK2) antibody (9683) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) 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: 10s.