

Datasheet for ABIN2784725

anti-CSNK2A1/CK II alpha antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	CSNK2A1/CK II alpha (CSNK2A1)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Horse, Guinea Pig, Zebrafish (Danio rerio), Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CSNK2A1/CK II alpha antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CSNK2A1
Sequence:	LGCMLASMIF RKEPFFHGHGHD NYDQLVRIAK VLGTEPLYDY IDKYNIELDP
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against CSNK2A1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CSNK2A1/CK II alpha (CSNK2A1)
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Target Details

Alternative Name:	CSNK2A1 (CSNK2A1 Products)
Background:	Casein kinase II is a serine/threonine protein kinase that phosphorylates acidic proteins such as casein. 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. CSNK2A1 represents the alpha subunit. Casein kinase II is a serine/threonine protein kinase that phosphorylates acidic proteins such as casein. 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. Alias Symbols: CK2A1, CKII, CKII alpha Protein Interaction Partner: MAGEA11, HDAC3, RNF111, NFYA, SGT1, STAC3, SUGT1, THAP1, AKT1, AURKA, CEP76, TP53, CEP57, RPS3, EGFR, UBC, POP1, WWOX, RNF2, rev, NAP1, EPB41L2, CALD1, HECW2, CDK11A, CAV2, CSNK2B, RNF11, NRF1, MYH9, IGSF8, ICAM1, HMGA1, HDAC1, GCH1, ACE, CSNK2A2, PRNP, D Protein Size: 391
Molecular Weight:	45 kDa
Gene ID:	1457
NCBI Accession:	NM_001895 , NP_001886
UniProt:	P68400
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 391 AA
Restrictions:	For Research Use only

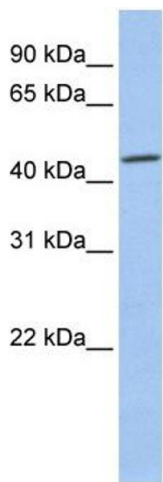
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting				
Image	1.	WB	Suggested	Anti-CSNK2A1 Antibody
Titration: 0.2-1 ug/ml				
ELISA Titer: 1:62500				
Positive Control: 721_B cell lysate				