

Datasheet for ABIN211082

anti-CSNK2A1/CK II alpha antibody (AA 7-22)



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Overview

Quantity:	200 µg
Target:	CSNK2A1/CK II alpha (CSNK2A1)
Binding Specificity:	AA 7-22
Reactivity:	Human, Mouse, Rat, Cow, Dog, Chicken, Horse, Pig, Xenopus laevis, Monkey, Bat, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CSNK2A1/CK II alpha antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthetic peptide (C-SRARVYTDVNTHRPRE) corresponding to amino acids 7-22 of human Casein Kinase 2, KLH-conjugated. Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Dog, Bat, Bovine, Horse, Pig, Opossum, Turkey, Chicken, Xenopus (100%), Rabbit, Platypus, Stickleback, Pufferfish, Seq squirt (94%), Zebrafish, Sea anemone, Trichoplax, Capsaspora (88%), Salmon, Ant, Beetle (81%). Type of Immunogen: Synthetic peptide - KLH conjugated
Isotype:	IgG
Specificity:	Recognizes human casein kinase 2 at 44kD and an unknown band at 66kD. Species cross-reactivity: Mouse. Predicted cross-reactivity with rat, rabbit, chicken, frog and starfish.

Product Details

Predicted Reactivity:	Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Dog, Bat, Bovine, Horse, Pig, Opossum, Turkey, Chicken, Xenopus (100%) Rabbit, Platypus, Stickleback, Pufferfish, Seq squirt (94%) Zebrafish, Sea anemone, Trichoplax, Capsaspora (88%) Salmon, Ant, Beetle (81%).
Purification:	Protein A purified

Target Details

Target:	CSNK2A1/CK II alpha (CSNK2A1)
Alternative Name:	CSNK2A1 / CKII (CSNK2A1 Products)
Background:	Name/Gene ID: CSNK2A1 Subfamily: Casein kinase II Family: Protein Kinase Synonyms: CSNK2A1, Casein kinase II alpha, Casein kinase II subunit alpha, Ck2 alpha, CK2 catalytic subunit alpha, CKII, CKIIalpha, CK2A1, CKII alpha, Protein kinase CK2, Casein kinase 2 alpha, CK II alpha
Gene ID:	1457
UniProt:	P68400
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Approved: ELISA, WB (1 - 4 µg/mL) Usage: Suitable for use in ELISA and Western Blot. Not suitable for use in Immunoprecipitation. Western Blot: 1-4 µg/mL will detect Casein Kinase 2 in RIPA lysates from mouse 3T3 fibroblasts. 3T3 cell lysate was resolved by electrophoresis, transferred to nitrocellulose and probed with anti-Casein Kinase 2 (4 µg/mL). Proteins were visualized using a goat anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence detection system.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	0.1 M Tris-glycine, pH 7.4, 0.15 M sodium chloride, 0.05 % sodium azide, 30 % glycerol.
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 repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.