

CSNK1A1 Polyclonal Antibody | anti-CSNK1A1 antibody

Anti-CSNK1A1 Antibody

CATALOG # AAA46487	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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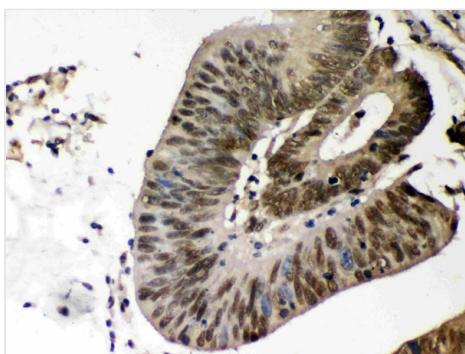
PRODUCT SYNONYMS

CSNK1A1; Polyclonal Antibody; Anti-CSNK1A1 Antibody; Casein kinase I isoform alpha; Casein kinase 1 alpha 1; CK1; CK1A; CKI alpha; CKI-alpha; CKIa; Clock regulator kinase; Csnk1a1; Down regulated in lung cancer; HLCDDGP1; KC1A_HUMAN; PRO2975; casein kinase 1; alpha 1; anti-CSNK1A1 antibody

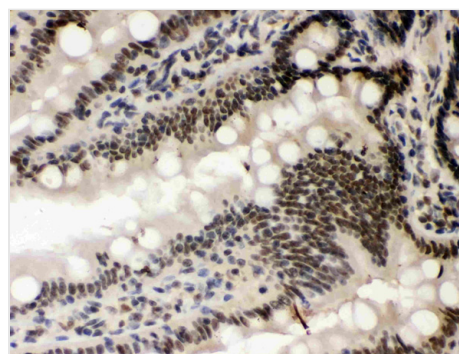
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	365
Applicable Applications for anti-CSNK1A1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human CSNK1A1 (30-68aa DIYLAINITNGEEVAVKLESQKARHPQLLYESKLYKILQ), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

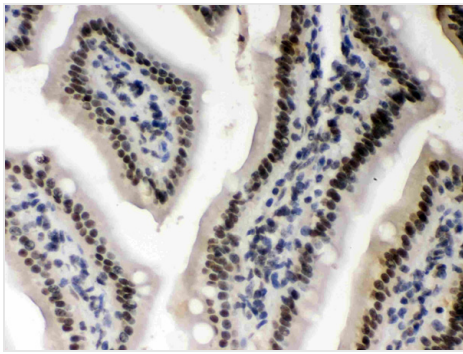
IMAGES



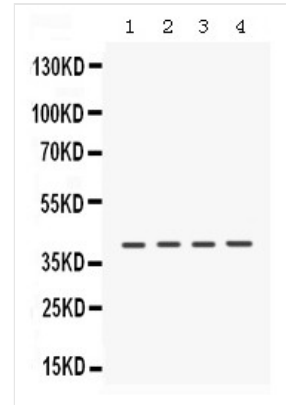
IHC (Immunohistochemistry)
Anti- CSNK1A1 Picoband antibody, AAA46487,IHC(P)IHC(P): Human Intestinal Cancer Tissue



IHC (Immunohistochemistry)
Anti- CSNK1A1 Picoband antibody, AAA46487,IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)
Anti- CSNK1A1 Picoband antibody, AAA46487,IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)
Anti- CSNK1A1 Picoband antibody, AAA46487, Western blottingAll lanes: Anti CSNK1A1 (AAA46487) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Rat Kidney Tissue Lysate at 50ugLane 3: Mouse Kidney Tissue Lysate at 50ugLane 4: HELA Whole Cell Lysate at 40ugPredicted bind size: 39KDObserved bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-CSNK1A1 antibody	Description: Rabbit IgG polyclonal antibody for Casein kinase I isoform alpha(CSNK1A1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Casein kinase I isoform alpha is an enzyme that in humans is encoded by the CSNK1A1 gene. The CSNK1A1 gene is mapped to chromosome 5q32 based on an alignment of the CSNK1A1 sequence with the genomic sequence (GRCh37). It is reported that both screens identified CK1-alpha as a bifunctional regulator of NF-kappa-B. CK1-alpha dynamically associates with the CBM complex on T cell receptor engagement to participate in cytokine production and lymphocyte proliferation. However, CK1-alpha kinase activity has a contrasting role by subsequently promoting the phosphorylation and inactivation of CARMA1. CK1-alpha has thus a dual 'gating' function which first promotes and then terminates receptor-induced NF-kappa-B. ABC DLBCL cells required CK1-alpha for constitutive NF-kappa-B activity, indicating that CK1-alpha functions as a conditionally essential malignancy gene.
References	1. Bidere, N., Ngo, V. N., Lee, J., Collins, C., Zheng, L., Wan, F., Davis, R. E., Lenz, G., Anderson, D. E., Arnoult, D., Vazquez, A., Sakai, K., Zhang, J., Meng, Z., Veenstra, T. D., Staudt, L. M., Lenardo, M. J. Casein kinase 1-alpha governs antigen-receptor-induced NF-kappa-B activation and human lymphoma cell survival. <i>Nature</i> 458: 92-96, 2009. 2. Elyada, E., Pribluda, A., Goldstein, R. E., Morgenstern, Y., Brachya, G., Cojocar, G., Snir-Alkalay, I., Burstein, I., Haffner-Krausz, R., Jung, S., Wiener, Z., Alitalo, K., Oren, M., Pikarsky, E., Ben-Neriah, Y. CKI-alpha ablation highlights a critical role for p53 in invasiveness control. <i>Nature</i> 470: 409-413, 2011. 3. Tapia C, Featherstone T, Gómez C, Taillon-Miller P, Allende CC, Allende JE (Aug 1994). "Cloning and chromosomal localization of the gene coding for human protein kinase CK1". <i>FEBS Letters</i> 349 (2): 307-12.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68303575
NCBI GeneID	1452
NCBI Accession #	NP_001020276.1
NCBI GenBank Nucleotide #	NM_001025105.2
UniProt Accession #	P48729; Q4JJA0; Q5U046; Q5U047; Q6FGA2; Q71TU5; Q96HD2; Q9UDK3; D3DQG0; D3DQG1
Molecular Weight	37,567 Da
NCBI Official Full Name	casein kinase I isoform alpha isoform 1
NCBI Official Synonym Full Names	casein kinase 1 alpha 1
NCBI Official Symbol	CSNK1A1
NCBI Official Synonym Symbols	CK1; CK1a; CKIa; HLCDGP1; PRO2975; HEL-S-77p

NCBI Protein Information	casein kinase I isoform alpha
UniProt Protein Name	Casein kinase I isoform alpha
UniProt Gene Name	CSNK1A1
UniProt Synonym Gene Names	CKI-alpha
UniProt Entry Name	KC1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/csnk1a1-antibody-immunohistochemistry-western-blot-elisa/46487>