Mouse anti-Human CSNK2A1 Monoclonal Antibody | anti-CSNK2A1 antibody

CSNK2A1 (Casein Kinase II Subunit alpha, CK II alpha, CK2A1) (PE)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25656	**Mouse**	**Human**	**ELISA, Immunofluorescence, Western Blot**

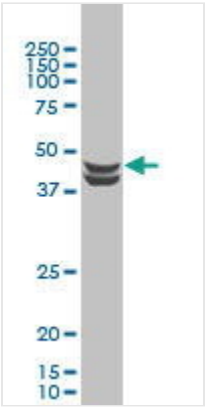
PRODUCT SYNONYMS

CSNK2A1; Monoclonal Antibody; CSNK2A1 (Casein Kinase II Subunit alpha; CK II alpha; CK2A1) (PE); anti-CSNK2A1 antibody

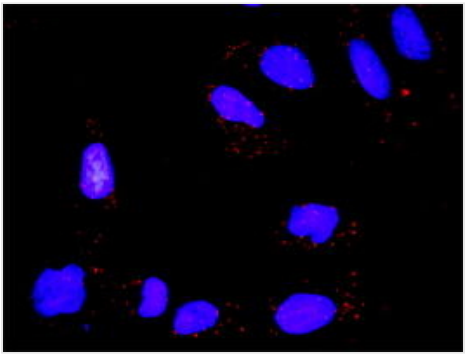
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3D9
Specificity	Recognizes human CSNK2A1.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Applicable Applications for anti-CSNK2A1 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa1-100 from human CSNK2A1 (AAH11668) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSGPVPSRARVYTDVNTHRPREYWDYESHVVEWGNQDDYQLVRKLGRGKYSEVFEAINITNNEKVVVKILKPVKKKKIKREIKILENLRGGPNIITLADI
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

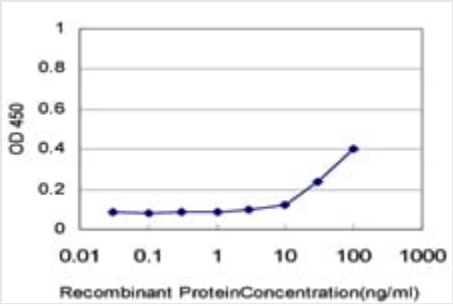
IMAGES



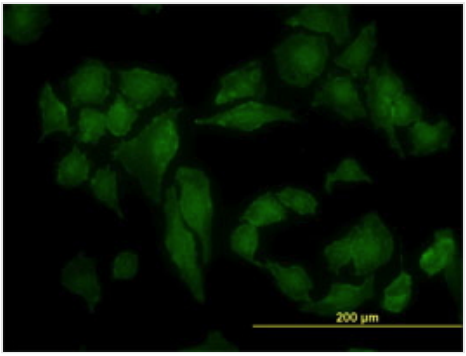
WB (Western Blot)
CSNK2A1 monoclonal antibody, Western Blot analysis of CSNK2A1 expression in Hela NE.



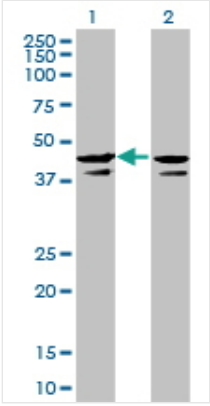
Application Data
Proximity Ligation Analysis (PLA) of protein-protein interactions between TP53 and CSNK2A1 HeLa cells were stained with TP53 rabbit purified polyclonal 1:1200 and CSNK2A1 mouse monoclonal antibody 1:50. Signals were detected by 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.



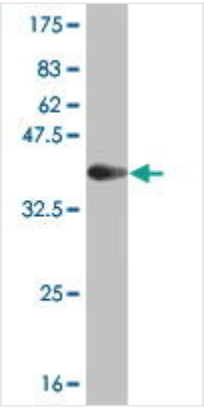
Application Data
Detection limit for recombinant GST tagged CSNK2A1 is ~3ng/ml as a capture antibody.



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to CSNK2A1 on HeLa cell. [antibody concentration 10ug/ml].



WB (Western Blot)
Western Blot analysis of CSNK2A1 expression in transfected 293T cell line by CSNK2A1 monoclonal antibody. Lane 1: CSNK2A1 transfected lysate (45.1kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
Western Blot detection against Immunogen (36.63kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-CSNK2A1 antibody	Antibodies; Protein Kinases
References	1. CK2 Inhibitors Enhance the Radiosensitivity of Human Non-Small Cell Lung Cancer Cells Through Inhibition of Stat3 Activation. Lin YC, Hung MS, Lin CK, Li JM, Lee KD, Li YC, Chen MF, Chen JK, Yang CT.Cancer Biother Radiopharm. 2011 Jun;26(3):381-8. Epub 2011 Jun 28.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33991298
NCBI GeneID	1457
Molecular Weight	29,181 Da
NCBI Official Full Name	Homo sapiens casein kinase 2, alpha 1 polypeptide, mRNA
NCBI Official Synonym Full Names	casein kinase 2 alpha 1
NCBI Official Symbol	CSNK2A1
NCBI Official Synonym Symbols	CKII; CK2A1; OCNDS; CSNK2A3
NCBI Protein Information	casein kinase II subunit alpha

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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/csnk2a1-antibody-clone-3d9-immunofluorescence-western-blot-elisa/25656