

Rabbit CDC7 Kinase Monoclonal Antibody | anti-CDC7 antibody

CDC7 Kinase Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312190	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Western Blot

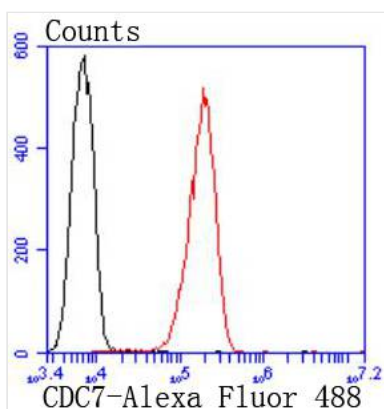
PRODUCT SYNONYMS

CDC7 Kinase; Monoclonal Antibody; CDC7 Kinase Antibody; Cdc 7 antibody; CDC7 antibody; CDC7 cell division cycle 7 antibody; CDC7 cell division cycle 7 like 1 antibody; CDC7 L1 antibody; Cdc7 like 1 antibody; CDC7 related kinase antibody; CDC7-related kinase antibody; CDC7_HUMAN antibody; CDC7L 1 antibody; CDC7L1 antibody; Cell division cycle 7 homolog antibody; Cell division cycle 7 kinase antibody; Cell division cycle 7 like protein 1 antibody; Cell division cycle 7 related protein kinase antibody; Cell division cycle 7-related protein kinase antibody; HsCDC 7 antibody; HsCdc7 antibody; Hsk 1 antibody; Hsk1 antibody; HuCDC 7 antibody; huCdc7 antibody; MGC117361 antibody; MGC126237 antibody; MGC126238 antibody; anti-CDC7 antibody

PRODUCT SPECIFICATIONS

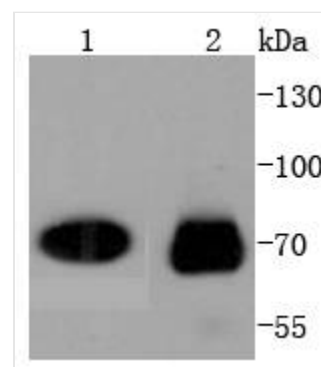
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SY21-01
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CDC7 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of A431 cells with CDC7 Kinase antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of CDC7 Kinase on different lysates using anti-CDC7 antibody at 1/1,000 dilution. Positive control: Lane 1: Jurkat Lane 2: Hela

ADDITIONAL INFORMATION

Related Product Information for anti-CDC7 antibody	The Dbf4/Cdc7 protein kinase is essential for the activation of replication origins during S phase. Cdc7/Dbf4 efficiently phosphorylates several proteins that are required for the initiation of DNA replication, including five of the six minichromosome maintenance (Mcm) proteins and the p180 subunit of DNA polymerase α -primase. This protein complex consists of the catalytic subunit Cdc7 associating with the regulatory and activating subunit Dbf4. The kinase activity of the complex is regulated throughout the cell cycle, mainly by fluctuating levels of Dbf4. Cdc7 is consistently expressed throughout the cell cycle, while the expression of Dbf4 is absent during G1 phase and accumulates during S and G2 phases. The anaphase-promoting complex rapidly degrades Dbf4 at the time of chromosome segregation, and the stability of Dbf4 remains low during pre-Start G1 phase. The coordinated degradation of Dbf4 and the time of chromosome separation is important to ensuring that prereplicative complexes, which assemble after chromosome segregation, do not immediately re-fire.
Product Categories/Family for anti-CDC7 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	197313665
NCBI GeneID	8317
NCBI Accession #	NP_001127891.1
NCBI GenBank Nucleotide #	NM_001134419.1
UniProt Accession #	O00311; O00558; Q5T5U5; D3DT31
Molecular Weight	63,888 Da
NCBI Official Full Name	cell division cycle 7-related protein kinase
NCBI Official Synonym Full Names	cell division cycle 7
NCBI Official Symbol	CDC7
NCBI Official Synonym Symbols	Hsk1; CDC7L1; HsCDC7; huCDC7
NCBI Protein Information	cell division cycle 7-related protein kinase; CDC7-related kinase; cell division cycle 7 homolog; cell division cycle 7-like protein 1; CDC7 (cell division cycle 7, <i>S. cerevisiae</i> , homolog)-like 1
UniProt Protein Name	Cell division cycle 7-related protein kinase
UniProt Gene Name	CDC7
UniProt Synonym Gene Names	CDC7L1; CDC7-related kinase; HsCdc7; huCdc7
UniProt Entry Name	CDC7_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cdc7-kinase-antibody-clone-sy21-01-flow-cytometry-western-blot-elisa/312190>