

Rabbit anti-Human, Mouse CDC7 Polyclonal Antibody | anti-CDC7 antibody

CDC7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323719	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

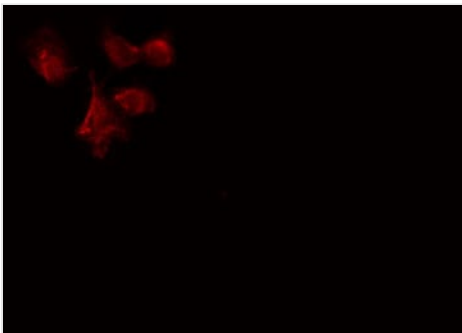
PRODUCT SYNONYMS

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

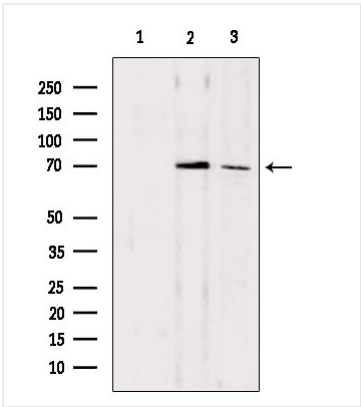
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CDC7 antibody detects endogenous levels of total CDC7
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	574
Applicable Applications for anti-CDC7 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CDC7
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (91%), Bovine (82%), Sheep (90%), Rabbit (91%), Dog (91%), Chicken (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

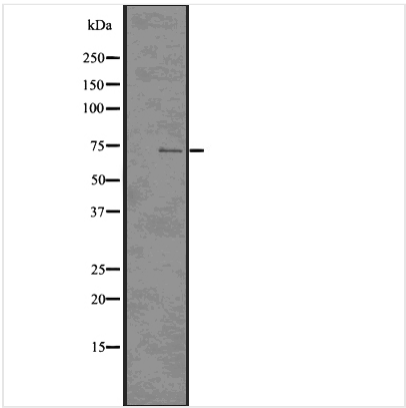
IMAGES



IF (Immunofluorescence)
AAA323719 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from various samples, using CDC7 Antibody. Lane 1: Mouse Myeloma cell treated with blocking peptide. Lane 2: Mouse Myeloma cell; Lane 3: mouse brain;



WB (Western Blot)
Western blot analysis of CDC7 using COLO205 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CDC7 antibody	Function: Seems to phosphorylate critical substrates that regulate the G1/S phase transition and/or DNA replication. Can phosphorylates MCM2 and MCM3.
	Subunit Structure: Forms a complex with either DBF4/DBF4A or DBF4B, leading to the activation of the kinase activity.
	Similarity: Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. CDC7 subfamily.

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	Observed: 70 kD Predicted: 64 kDa
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
UniProt Protein Name	Cell division cycle 7-related protein kinase
UniProt Gene Name	CDC7
UniProt Synonym Gene Names	CDC7L1; CDC7-related kinase; HsCdc7; huCdc7

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/polyclonal/cdc7-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/323719>