

Rabbit CDC25C Polyclonal Antibody | anti-CDC25C antibody

CDC25C Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA306934	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CDC25C; Polyclonal Antibody; CDC25C Antibody; CDC25; PPP1R60; anti-CDC25C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total CDC25C protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	473
Applicable Applications for anti-CDC25C antibody	IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human CDC25C.
Target Name	CDC25C
Preparation and Storage	Store at -20 degree C

IMAGES



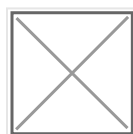
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using CDC25C antibody. Blue: DAPI for nuclear staining.



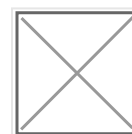
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat kidney using CDC25C antibody at dilution of 1:100 (400x lens).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat brain using CDC25C antibody at dilution of 1:100 (400x lens).



WB (Western Blot)

Western blot analysis of extracts of K562 cell lines, using CDC25C antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CDC25C antibody	Cdc25 is a protein phosphatase responsible for dephosphorylating and activating cdc2, a crucial step in regulating the entry of all eukaryotic cells into mitosis (1). cdc25C is constitutively phosphorylated at Ser216 throughout interphase by c-TAK1, while phosphorylation at this site is DNA damage-dependent at the G2/M checkpoint (2). When phosphorylated at Ser216, cdc25C binds to members of the 14-3-3 family of proteins, sequestering cdc25C in the cytoplasm and thereby preventing premature mitosis (3). The checkpoint kinases Chk1 and Chk2 phosphorylate cdc25C at Ser216 in response to DNA damage (4,5).
Product Categories/Family for anti-CDC25C antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	567316253
NCBI GeneID	995
NCBI Accession #	NP_001274511.1
NCBI GenBank Nucleotide #	NM_001287582.1
UniProt Accession #	P30307; Q96PL3; Q9H168; Q9H2E8; Q9H2E9; Q9H2F1; D3DQB8
Molecular Weight	45,608 Da
NCBI Official Full Name	M-phase inducer phosphatase 3 isoform a
NCBI Official Synonym Full Names	cell division cycle 25C
NCBI Official Symbol	CDC25C
NCBI Official Synonym Symbols	CDC25; PPP1R60
NCBI Protein Information	M-phase inducer phosphatase 3
UniProt Protein Name	M-phase inducer phosphatase 3
UniProt Gene Name	CDC25C
UniProt Entry Name	MPIP3_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/polyclonal/cdc25c-antibody-immunoprecipitation-immunofluorescence-immunohistochemistry-western-blot-elisa/306934>