

## CDC25C (Phospho-Ser198) Antibody

Catalog No: #11790



Package Size: #11790-1 50ul #11790-2 100ul

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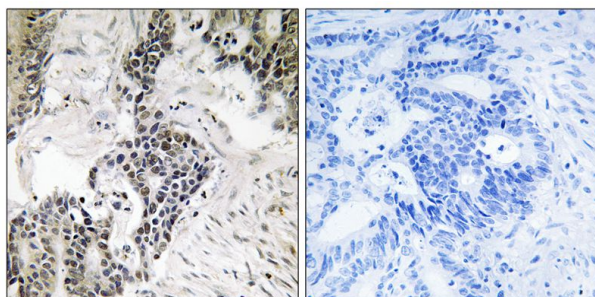
## Description

Product Name	CDC25C (Phospho-Ser198) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of CDC25C only when phosphorylated at serine 198.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 198(E-F-S(p)-L-K) derived from Human CDC25C.
Target Name	CDC25C
Modification	Phospho
Other Names	CDC25M1; MPI1B; MPIP3; EC 3.1.3.48;
Accession No.	Swiss-Prot#: P30307; NCBI Gene#: 995; NCBI Protein#: NP_001274511.1.
SDS-PAGE MW	53kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using CDC25C (Phospho-Ser198) antibody #11790 (left) or the same antibody preincubated with blocking peptide (right).

## Background

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cdc25C is highly conserved during evolution and it plays a key role in the regulation of cell division. The encoded protein is a tyrosine phosphatase and belongs to the Cdc25 phosphatase family. It directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It is also thought to suppress p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described, however, the full-length nature of many of them is not known.

Sadhu K., Proc. Natl. Acad. Sci. U.S.A. 87:5139-5143(1990).

Bureik M., Int. J. Oncol. 17:1251-1258(2000).

Wegener S., Eur. J. Cell Biol. 79:810-815(2000).

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.