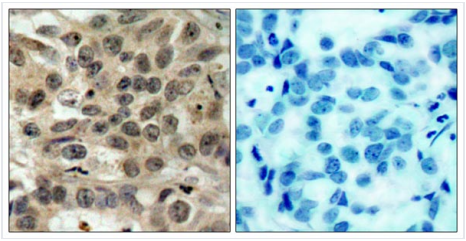
cdc25C Antibody

PRODUCT OVERVIEW

Product Name	cdc25C, Antibody
Full Product Name	cdc25C (Ab-216) Antibody
Product Gene Name	anti-cdc25C antibody
Species Reactivity	Human
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	cdc25C (Ab-216) antibody detects endogenous levels of total cdc25C protein.
Preparation and Storage	Store at-20 degree C for 1 year
Molecular Weight	45,608 Da
OMIM	157680
3D Structure	ModBase 3D Structure for P30307
Immunogen	The antiserum was produced against synthesized non-phosphopeptide derived from human cdc25C around the phosphorylation site of serine 216 (S-P-SP-M-P).
Product Categories/Family for anti-cdc25C antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-cdc25C antibody	Immunohistochemistry (IHC), Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-cdc25C antibody	IHC: 1:50-1:100 WB: 1:500-1:1000 IF: 1:100-1:200
Related Product Information for anti-cdc25C antibody	MBS857059 is an antibody targeting cdc25C. Also known as cdc25C (Ab-216) Antibody. Reactive in Human.
Product References and Citations for anti-cdc25C antibody	Toyoshima-Morimoto F. et al. (2002) EMBO Rep. 3(4): 341-348. Ferguson AM. et al. (2005) Mol Cell Biol. 25(7): 2853-2860. Donzelli M. et al. (2003) EMBO Rep. 4(7): 671-677. Chen F. et al. (2002) Proc Natl Acad Sci U S A. 99(4): 1990-1995.
Other Notes	Small volumes of anti-cdc25C antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-cdc25C antibody
Peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using cdc25C (Ab-216) antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for cdc25C. It may not necessarily be applicable to this product.

NCBI GI #	567316253
NCBI GeneID	995
NCBI Accession #	NP_001274511.1
UniProt Primary Accession #	P30307
UniProt Secondary Accession #	Q96PL3; Q9H168; Q9H2E8; Q9H2E9; Q9H2F1; D3DQB8
UniProt Related Accession #	P30307
GenBank Nucleotide #	NM_001287582.1
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
UniProt Protein Name	M-phase inducer phosphatase 3
UniProt Synonym Protein Names	Dual specificity phosphatase Cdc25C
UniProt Gene Name	CDC25C
NCBI Protein Information	M-phase inducer phosphatase 3
NCBI Summary for cdc25C	This gene encodes a conserved protein that plays a key role in the regulation of cell division. The encoded protein directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It also suppresses p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described. [provided by RefSeq, Dec 2015]
UniProt Comments for cdc25C	Functions as a dosage-dependent inducer in mitotic control. Tyrosine protein phosphatase required for progression of the cell cycle. When phosphorylated, highly effective in activating G2 cells into prophase. Directly dephosphorylates CDK1 and activates its kinase activity.
Research Articles on cdc25C	**1.** Overexpression of the CDK1 and CDC25A may have a role in the pathogenesis of the NFPA.
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