Affinity Biosciences
website:www.affbiotech.com
order:order@affbiotech.com

CDC25C Ab

Images(2)

Cat.#: DF6546	Concn.: ~1mg/ml	Mol.Wt.: 53kDa
Size:	Source: Rabbit	Clonality: Polyclonal

Application:
 WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500
*The optimal dilutions should be determined by the end user.
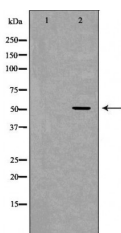
Reactivity:
Human,Mouse,Rat

Storage:
Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification:
The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
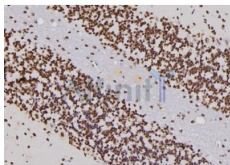
Immunogen:
A synthesized peptide derived from human CDC25C, corresponding to a region within the internal amino acids.

Uniprot:
P30307

Description:
Cdc25 is a protein phosphatase responsible for dephosphorylating and activating cdc2, a crucial step in regulating the entry of all eukaryotic cells into mitosis . 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 . 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 . The checkpoint kinases Chk1 and Chk2 phosphorylate cdc25C at Ser216 in response to DNA damage (4,5).

Western blot analysis of extracts from K562, using CDC25C Ab. The lane on the left was treated with the antigen-specific peptide.

Affinity Biosciences
website:www.affbiotech.com
order:order@affbiotech.com

DF6546 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

For Research Use Only. Not for use in diagnostic and therapeutic procedures. Not for resale without express authorization.