BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Cdc25B Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01580
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human CDC25B. AA range:319-368
Mol wt	64987
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Cdc25B Antibody
Synonyms	CDC25B; CDC25HU2; M-phase inducer phosphatase 2; Dual specificity phosphatase Cdc25B

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CDC25B (cell division cycle 25B) is a member of the CDC25 family of phosphatases. CDC25B activates the cyclin dependent kinase CDC2 by removing two phosphate groups and it is required for entry into mitosis. CDC25B shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. The protein is nuclear in the M and G1 phases of the cell cycle and moves to the cytoplasm during S and G2. CDC25B has oncogenic properties, although its role in tumor formation has not been determined. Multiple transcript variants for this gene exist.

Recommended Dilution

WB: 1: 500 - 1: 2000

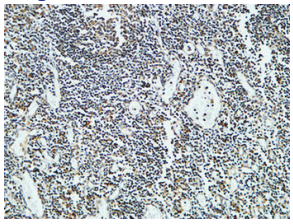
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

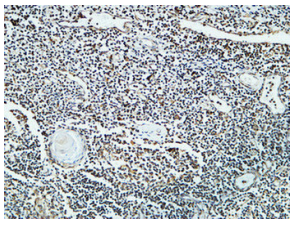
ELISA: 1: 5000

Not yet tested in other applications.

Images



Immunohistochemical analysis of paraffin-embedded Human Amygdala. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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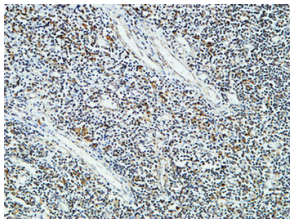

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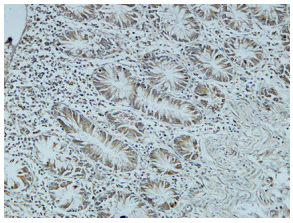
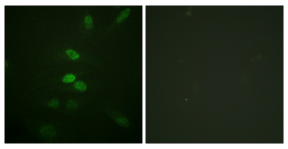
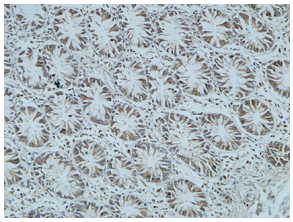


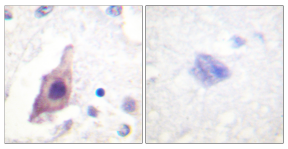
Immunohistochemical analysis of paraffin-embedded Human colon. 1, Antibody was diluted at 1:400(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



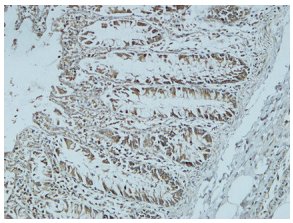
Immunofluorescence analysis of HeLa cells, using CDC25B Antibody. The picture on the right is blocked with the synthesized peptide.



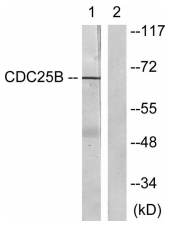
Immunohistochemical analysis of paraffin-embedded Human colon. 1, Antibody was diluted at 1:400(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using CDC25B Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded Human colon. 1, Antibody was diluted at 1:400(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Western blot analysis of lysates from Raw264.7 cells, treated with UV 15', using CDC25B Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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