bs-3482R

[Primary Antibody]

phospho-cdc25C (Thr48) Rabbit pAb



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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 995 **SWISS:** P30307

Target: cdc25C (Thr48)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human

cdc25C around the phosphorylation site of Thr48: PR(p-T)PV.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: This gene 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 p53induced 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. [provided by RefSeq, Jul

Applications: IHC-P (1:100-500)

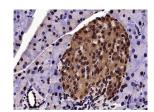
IHC-F (1:100-500) **IF** (1:100-500) ICC/IF (1:100-500)

Reactivity: Human, Mouse, Rat

Predicted 53 kDa MW.:

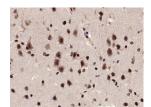
Subcellular Nucleus

VALIDATION IMAGES



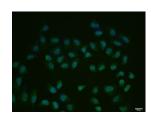
Paraformaldehyde-fixed, paraffin embedded (mouse pancreas tissue); Antigen retrieval by microwave in sodium citratebuffer (pH6.0); Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3%BSA) at RTfor 30min; Antibody incubation with (cdc25C (Thr48))

Polyclonal/MonoclonalAntibody, Unconjugated (bs-3482R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue): Antigen retrieval by microwave in sodium citratebuffer (pH6.0): Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3%BSA) at RTfor 30min; Antibody incubation with (cdc25C (Thr48))

Polyclonal/MonoclonalAntibody, Unconjugated (bs-3482R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min: Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-cdc25C (Thr48)) polyclonal Antibody, Unconjugated (bs-3482R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

- SELECTED CITATIONS -

- [IF=5.008] Yin, H., et al. "The molecular mechanism of G2M cell cycle arrest induced by AFB1 in the jejunum." Oncotarget (2016). IHC ; Chicken. 27232757
- [IF=5.008] Guo, Hongrui, et al. "Dietary NiCl2 causes cell cycle arrest in the broiler's kidney." Oncotarget. (2015) 6.34:35964-77. IHC ; Chicken. 26440151
- [IF=2.4] Fang, Jing, et al. "The Molecular Mechanisms of Protective Role of Se on the G2/M Phase Arrest of Jejunum Caused by AFB1." Biological Trace Element Research (2017): 1-12. IHC; Chicken. 28484902