

bs-3482R**[Primary Antibody]****phospho-cdc25C (Thr48) Rabbit pAb****Bioss**
ANTIBODIES

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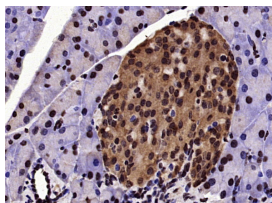
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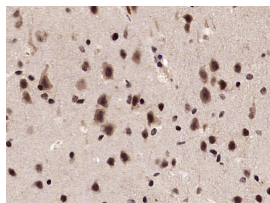
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— DATASHEET —

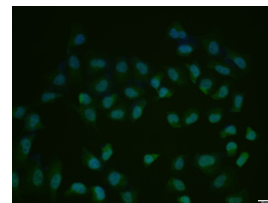
Host: Rabbit Clonality: Polyclonal GeneID: 995 Target: cdc25C (Thr48) Immunogen: KLH conjugated Synthesised phosphopeptide derived from human cdc25C around the phosphorylation site of Thr48: PR(p-T)PV. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 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 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. [provided by RefSeq, Jul 2008]	Isotype: IgG SWISS: P30307	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100) Reactivity: Human, Mouse, Rat Predicted MW.: 53 kDa Subcellular Location: Nucleus
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— 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

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