

bs-5294R**[Primary Antibody]****phospho-Dnmt1 (Ser154) Rabbit pAb****Bioss**
ANTIBODIES

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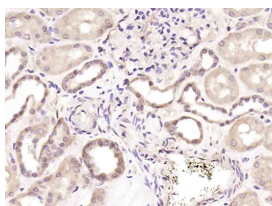
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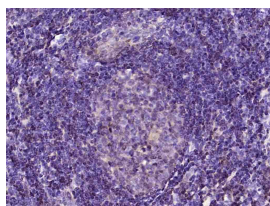
400-901-9800

— DATASHEET —

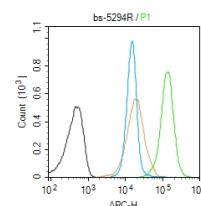
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|---|----------------------|--|
| Host: Rabbit | Isotype: IgG | Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1ug/Test) Reactivity: Human (predicted: Mouse, Pig, Sheep, Cow, Dog) Predicted MW.: 178 kDa Subcellular Location: Nucleus |
| Clonality: Polyclonal | | |
| GeneID: 1786 | SWISS: P26358 | |
| Target: Dnmt1 (Ser154) | | |
| Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Dnmt1 around the phosphorylation site of Ser153: SP(p-S)PR. | | |
| 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: DNA (cytosine-5-)-methyltransferase 1 has a role in the establishment and regulation of tissue-specific patterns of methylated cytosine residues. Aberrant methylation patterns are associated with certain human tumors and developmental abnormalities. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]. | | |

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-Dnmt1 (Ser154)) Polyclonal Antibody, Unconjugated (bs-5294R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-Dnmt1 (Ser154)) Polyclonal Antibody, Unconjugated (bs-5294R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control (Black line): Molt4 (Black). Primary Antibody (green line): Rabbit Anti-phospho-Dnmt1 (Ser154) antibody (bs-5294R) Dilution: 1µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647 Dilution: 1µg / test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=2.3]** Tan, Xiaoying, et al. "High inorganic phosphate causes DNMT1 phosphorylation and subsequent fibrotic fibroblast activation." Biochemical and Biophysical Research Communications (2016). IP ;="Human". 26774342