

**bs-3912R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

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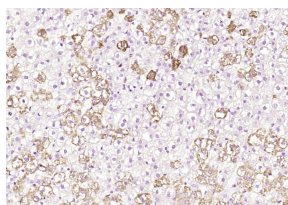
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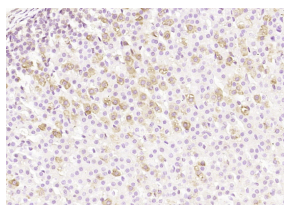
400-901-9800

**PNMT Rabbit pAb****— DATASHEET —**

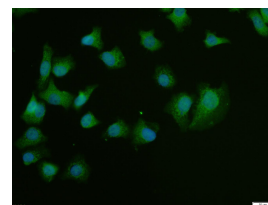
<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 5409 <b>Target:</b> PNMT <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human PNMT: 101-200/282. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> Phenylethanolamine N-methyltransferase, PNMT, catalyzes the synthesis of epinephrine from norepinephrine, (adrenalin from noradrenalin), in catecholamine biosynthesis.	<b>Isotype:</b> IgG  <b>SWISS:</b> P11086	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100)  <b>Reactivity:</b> Human, Rat (predicted: Mouse, Rabbit, Pig, Dog, Horse)  <b>Predicted MW.:</b> 31 kDa  <b>Subcellular Location:</b> Cytoplasm
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**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (rat liver); 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 (PNMT) Polyclonal Antibody, Unconjugated (bs-3912R) 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 (rat adrenal gland); 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 (PNMT) Polyclonal Antibody, Unconjugated (bs-3912R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



HepG2 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 (PNMT) polyclonal Antibody, Unconjugated (bs-3912R) 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=14.612]** Na Zhou. et al. Specific Fluorescent Probe Based on "Protect-Deprotect" To Visualize the Norepinephrine Signaling Pathway and Drug Intervention Tracers. J Am Chem Soc. 2020;142(41):17751–17755 IF ;Human. 33000941
- **[IF=6.35]** Yue Y et al. Noradrenaline-Specific, Efficient Visualization in Brain Tissue Triggered by Unique Cascade Nucleophilic Substitution. Anal Chem. 2019 Feb 5;91(3):2255-2259. IF ;Mouse. 30592201
- **[IF=3.58]** Kawahata, Ichiro, and Tohru Yamakuni. "Imidacloprid, a neonicotinoid insecticide, facilitates tyrosine hydroxylase transcription and phenylethanolamine N-methyltransferase mRNA expression to enhance catecholamine synthesis and its nicotine-evoked elevation in PC12D cells." Toxicology (2017). Other ;="Rat". 29246838