

bs-0311R**[Primary Antibody]****BioSS**
ANTIBODIES

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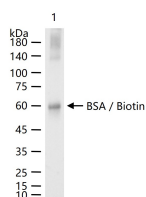
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

Rabbit Anti-Biotin Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal Target: Rabbit Anti-Biotin Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: Size : 100ul/200ul 0.01M TBS(pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS (pH7.4). Store at -20°C. Avoid repeated freeze/thaw cycles. Background: Biotin is a water soluble vitamin, generally classified as a B complex vitamin, also called vitamin B4. After the initial discovery of biotin, nearly forty years of research were required to establish it as a vitamin. Biotin is required by all organisms but can only be synthesized by bacteria, yeasts, molds, algae, and some plant species. Biotin is required as prosthetic group of enzymes involved in incorporation of carbon dioxide into organic compounds. Biotin has a MW of 244 Da.	Isotype: IgG Applications: WB (1:500-5000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:2000-10000) Reactivity: Biotin Observed MW.: 60 kDa
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— VALIDATION IMAGES —

50 ng BSA / Biotin (bsb-0292P) per lane probed with Biotin polyclonal antibody respectively, unconjugated (bs-0311R) at 1:1000 dilution and 4°C overnight incubation. Followed by corresponding conjugated secondary antibody incubation at r.t. for 60 min.

— SELECTED CITATIONS —

- **[IF=14.903]** Xin Yue. et al. Pharmacological inhibition of BAP1 recruits HERC2 to competitively dissociate BRCA1–BARD1, suppresses DNA repair and sensitizes CRC to radiotherapy. ACTA PHARM SIN B. 2023 May;; WB ;Human. 10.1016/j.apsb.2023.05.017
- **[IF=14.8]** Li Weitao. et al. Adipose triglyceride lipase suppresses noncanonical inflammasome by hydrolyzing LPS. NAT CHEM BIOL. 2024 Feb;;1-9 WB,IP ;Human,Mouse. 38413746
- **[IF=8.008]** Yepi Huang. et al. Deciphering the Interactome of Histone Marks in Living Cells via Genetic Code Expansion Combined with Proximity Labeling. ANAL CHEM. 2022;XXXX(XXX):XXX-XXX WB ;Human. 35862615
- **[IF=7.7]** Xuecong Ren. et al. MIRO-1 interacts with VDAC-1 to regulate mitochondrial membrane potential in Caenorhabditis elegans. EMBO REP. 2023 Jun 12 CoIP ;Caenorhabditis elegans. 37306041
- **[IF=4.9]** Xinchun Wang. et al. Tfr1 facilitates influenza virus endocytosis and uncoating by interacting with NA and M1 via extracellular and intracellular domains. PLOS PATHOG. 2025 Oct;21(10):e1013511 WB ;Human. 41071818

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.