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## Rabbit Anti-Biotin

Catalog Number: bs-0311R

Target Protein: Rabbit Anti-Biotin

Form: Lyophilized or Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ELISA (1:2000-10000)

Purification: affinity purified by Protein A

Storage: 0.01M PBS (pH7.4).

Store at -20°C stable for one year. 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.

### PRODUCT SPECIFIC PUBLICATIONS

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[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] Yepai 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