

## Anti-RIP/RIPK1 Antibody Picoband® Biotin Conjugated

Catalog Number: PB9116-Biotin

### About RIPK1

RIPK1, also known as RIP or RIP1, is an enzyme that in humans is encoded by the RIPK1 gene. It is mapped to 6p25.2. RIPK1 is a key signaling molecule in the programmed necrosis pathway, which plays important roles in development, tissue damage response, and antiviral immunity. RIPK1 is known to have function in a variety of cellular pathways including the NF-kappaB pathway and programmed necrotic cell death (necroptosis). The kinase domain, while important for necroptotic (programmed necrotic) functions, it appears dispensable for other lethal, as well as pro-survival roles. Also, proteolytic processing of RIPK1, through both caspase-dependent and -independent mechanisms, triggers lethality that is dependent on the generation of one or more specific C-terminal cleavage product (s) of RIPK1 upon stress.

### Overview

Product Name	Anti-RIP/RIPK1 Antibody Picoband® Biotin Conjugated
Reactive Species	Human
Application	WB, IHC, ELISA
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q13546

### Technical Details

Immunogen	E.coli-derived human RIP recombinant protein (Position: K316-N671). Human RIP shares 65% amino acid (aa) sequence identity with mouse RIP.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	Western blot, Optimal dilutions should be determined by end users.

Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.  
ELISA, Optimal dilutions should be determined by end users.

### 3 Publications Citing This Product

1. PubMed ID: -, Smad3-Targeted Therapy Protects against Cisplatin-Induced AKI by Attenuating Programmed Cell Death and Inflammation via a NOX4-Dependent Mechanism. Qin Yang, Li Gao, Xiao-wei Hu, Jia-nan Wang, Yao Zhang, Yu-hang Dong, Hui Yao Lan, Xiao-ming Meng
2. PubMed ID: 27464624, Bifidobacterial recombinant thymidine kinase-ganciclovir gene therapy system induces FasL and TNFR2 mediated antitumor apoptosis in solid tumors
3. PubMed ID: 25674205, Chen Yf, Zhao Zq, Wu Zm, Zou Zy, Luo Xj, Li J, Xie C, Liang Y. Int J Clin Exp Pathol. 2014 Dec 1;7(12):8411-20. Ecollection 2014. The Role Of Rip1 And Rip3 In The Development Of Aplastic Anemia Induced By Cyclophosphamide And Busulphan In Mice.

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