

## Anti-RIP/RIPK1 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PB9116-Fluoro594

### 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® Fluoro594 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
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. Protect from light.
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	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm

Suggested Dilutions

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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