

Anti-RIP/RIPK1 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: PB9116-Fluoro550

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

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| Product Name | Anti-RIP/RIPK1 Antibody Picoband® Fluoro550 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

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| 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 | Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 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.

Visit bosterbio.com/anti-rip-picoband-trade-antibody-pb9116-boster.html to see all 3 publications.

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