BOSTER BIOLOGICAL TECHNOLOGY Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

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antibody and FLIS

Basic Information	
Product Name	Anti-RIPK1 Antibody
Gene Name	RIPK1
Source	Rabbit
Clonality	Polyclonal
lsotype	IgG
Species Reactivity	human, mouse, rat
<b>Tested Application</b>	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human RIP.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	76 kDa
<b>Dilution Ratios</b>	Western blot (WB):1:500-2000

## **Storage**

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## **Background Information**

RIPK1(Regulator of G Protein Signaling 3), also called RIP, is an enzyme that in humans is encoded by the RIPK1 gene. Members of the TRAF protein family have been implicated in the activation of NF-kappa-B by the TNF superfamily. By yeast 2-hybrid and coimmunoprecipitation studies using mammalian cell extracts, Hsu et al.(1996) showed that RIP interacts with TRADD, TRAF1, TRAF2, and TRAF3. Hartz(2012) mapped the RIPK1 gene to chromosome 6p25.2 based on an alignment of the RIPK1 sequence with the genomic sequence. Stanger et al.(1995) found that overexpression of Rip in mammalian cells induced morphologic changes characteristic of apoptosis. They suggested that RIP may be an important element in the signal transduction machinery that mediates programmed cell death.

## Reference

Anti-RIPK1 Antibody被引用在13文献中。

antibody and ELISA experts BOSTER BIOLOGICAL TECHNOLOGY Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

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## **Selected Validation Data**



Western blot analysis of RIPK1 using anti-RIPK1 antibody (BA3852-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human K562 whole cell lysates,

Lane 2: human Hela whole cell lysates,

Lane 3: human Raji whole cell lysates,

Lane 4: human MOLT-4 whole cell lysates,

Lane 5: rat liver tissue lysates,

Lane 6: rat C6 whole cell lysates,

Lane 7: mouse liver tissue lysates,

Lane 8: mouse lung tissue lysates,

Lane 9: mouse NIH/3T3 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-RIPK1 antigen affinity purified polyclonal antibody (BA3852-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for RIPK1 at approximately 76 kDa. The expected band size for RIPK1 is at 76 kDa.