

**p-RIPK1(S166)
 Recombinant Rabbit Monoclonal Antibody
 Product Datasheet**

Catalog# BX60008

Clone# YJY-1-5

Predicted Molecular Wt: 75kDa

Purity: ProA affinity purified IgG

Species Cross-reactivity: Mouse

Form: Liquid

Species cross-reactivity determined by WB

Swissprot ID: Q60855

Applications: WB IP IF/ICC IHC-P IHC-Fr

Background:

Receptor-interacting serine/threonine-protein kinase 1 is a serine-threonine kinase which transduces inflammatory and cell-death signals (programmed necrosis) following death receptors ligation, activation of pathogen recognition receptors (PRRs), and DNA damage. Upon activation of TNFR1 by the TNF-alpha family cytokines, TRADD and TRAF2 are recruited to the receptor. Phosphorylates DAB2IP at 'Ser-728' in a TNF-alpha-dependent manner, and thereby activates the MAP3K5-JNK apoptotic cascade. RIPK1 is phosphorylated at several sites within the kinase domain that are sensitive to Nec-1, including Ser14, Ser15, Ser161, and Ser166.

Immunogen:

A synthetic phospho-peptide corresponding to residues surrounding serine 166 of Mouse RIPK1

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA

Storage conditions:

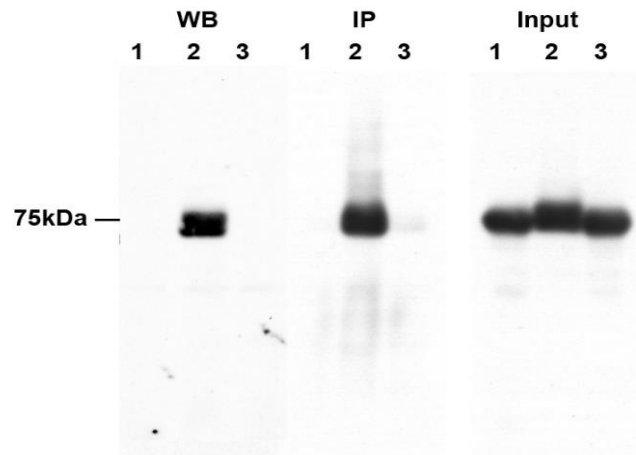
-20°C.

Storage instructions:

Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

WB: 1:1,000 - 1:2,000
 IP: 1:50 - 1:500
 IF/ICC: 1:100 - 1:500
 IHC-P: 1:100 - 1:500
 IHC-Fr: 1:100 - 1:500



Western blot and IP analysis of 661W cells, treated with combinations of the following treatments as indicated: Z-VAD (50 μM, 2 hr), mTNF-α(50 ng/ml, 2 hr), SM-164 (100 nM, 2 hr) or necrostatin-1 (Nec-1s, 30 μM, 2 hr), using BX60008 Antibody. Western blot analysis was performed using a RIPK1 mouse Ab. Lane 1: Lysate of untreated cells
 Lane 2: Lysate of TSZ treated cells
 Lane 3: Lysate of TSZ and nec-1 treated cells

Background References:

1.Xu et al., TBK1 Suppresses RIPK1-Driven Apoptosis and Inflammation during Development and in Aging, Cell, 174, 1–15, 2018.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.