

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.

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

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.

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.