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Rev.: 2025-1-15

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

Catalog# BX60018
Clone# YJY-10-4

Predicted Molecular Wt: 75kDa
Species Cross-reactivity: Human
Species cross-reactivity determined by WB
Applications: WB

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: Q13546

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 Human RIPK1

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

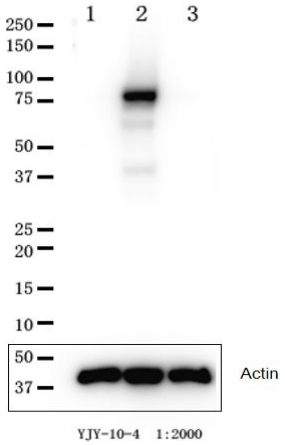
-20°C.

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



Western blot analysis of 293T cells, 293T-Human RIPK1 and 293T-Human RIPK1 treated the following treatments as indicated: necrostatin-1 (Nec-1s), using BX60018 Antibody.

Lane 1: Lysate of 293T cells
Lane 2: Lysate of 293T-Human PIPK1 cells
Lane 3: Lysate of 293T-Human PIPK1 and Nec-1s 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.