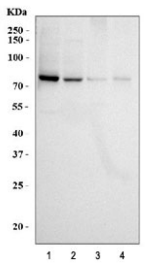
RIP Antibody / RIPK1 (R31162)

Catalog No.	Formulation	Size
R31162	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13546
Applications	Western Blot : 0.5-1ug/ml
Limitations	This RIP antibody is available for research use only.



Western blot testing of human 1) K562, 2) HeLa, 3) Raji and 4) Jurkat cell lysate with RIP antbody. Expected molecular weight ~76 kDa.

Description

Receptor-interacting serine/threonine-protein kinase 1 (RIPK1), 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 RIP 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the RIP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human Receptor-interacting serine/threonine-protein kinase 1 (RRRRVSHDPFAQQRP) was used as the immunogen for this RIP antibody.

Storage

After reconstitution, the RIP antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.