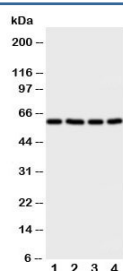


RIP2 Antibody (R30960)

Catalog No.	Formulation	Size
R30960	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O43353
Applications	Western Blot : 0.5-1ug/ml
Limitations	This RIP2 antibody is available for research use only.



Western blot testing of RIP2 antibody and Lane 1: A549; 2: HeLa; 3: PANC; 4: COLO320 cell lysate. Predicted molecular weight: ~61 kDa.

Description

Receptor-interacting serine/threonine-protein kinase 2, also known as CARD3, CARDIAK, RICK, and RIP2, is an enzyme that in humans is encoded by the RIPK2 gene. It has 540-amino acid protein in length. Northern blot analysis revealed that RIPK2 is expressed in various human tissues as 2.5- and 1.8-kb mRNAs that differ due to alternative polyadenylation. It is a novel kinase that may regulate apoptosis induced by the FAS receptor pathway. This gene encodes a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases. The encoded protein contains a C-terminal caspase recruitment domain (CARD), and is a component of signaling complexes in both the innate and adaptive immune pathways. It is a potent activator of NF-kappa B and inducer of apoptosis in response to

various stimuli, CARDIAK (CARD-containing ICE-associated kinase) specifically interacted with the CARD of ICE/caspase-1, and this interaction correlated with the processing of pro-caspase-1 and the formation of the active caspase-1 p20 subunit.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the RIP2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human RIP2 (DIQGEEFAKVIVQKLKDNKQ) was used as the immunogen for this RIP2 antibody.

Storage

After reconstitution, the RIP2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.