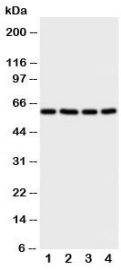
RIP2 Antibody (R30960)

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-terminalcaspase 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 Band 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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.