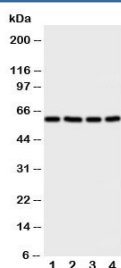


RIP2 Antibody (R30960)

| 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 |
| 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 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.