

RIP3 Polyclonal Antibody

Product Specifications

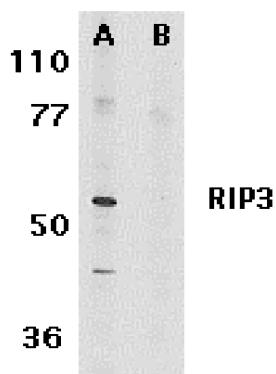
Catalog Number:	905-242
Host:	Rabbit
Species Reactivity:	Mouse and rat
Applications: <i>The optimal dilution for a specific application must be determined by the investigator</i>	WB: 0.5 to 1 µg/mL IHC: 5 µg/mL
Predicted m.w.:	~57 kDa
Concentration:	See product label
Purification:	Immunoaffinity
Format:	PBS, 0.02% sodium azide
Storage: <i>Shipping conditions may differ from the recommended storage temperature</i>	Store at -20°C
Immunogen:	Synthetic peptide derived from the sequence of mouse RIP3 ³
Related Products:	
SAB-300	Goat anti-Rabbit IgG Polyclonal Antibody, HRP Conjugate
LYC-3T100	3T3 Cell Lysate
AAM-227	Fas Monoclonal Antibody (ZB4)
AAP-221	Fas Polyclonal Antibody
CSA-815	TNF-R1 Polyclonal Antibody
AAP-460	RICK Polyclonal Antibody
KAP-TF112	NFκB, p50 Polyclonal Antibody
KAS-TF110	NFκB, p65 (RelA) Polyclonal Antibody

Background:

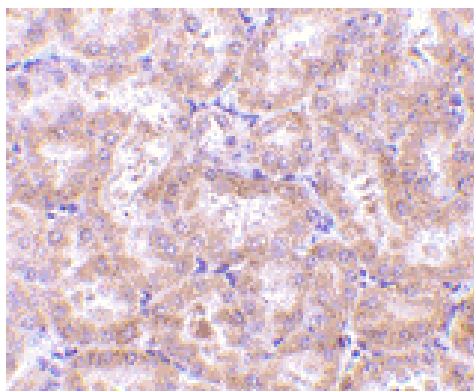
Serine/threonine protein kinases such as ASK1, RIP, DAP, and ZIP kinases, mediate apoptosis. Receptor interacting proteins including RIP and RIP2/RICK mediate apoptosis induced by TNFR1 and Fas, two prototype members in the death receptor family. Researchers identified a novel member of the RIP kinase family designated RIP3¹⁻³. RIP3 contains N-terminal kinase domain but, unlike RIP or RIP2, lacks the C-terminal death or CARD domain. RIP3 binds to RIP and TNFR1, mediates TNFR1 induced apoptosis, and attenuates RIP and TNFR1 induced NF-κB activation. Overexpression of RIP3 induces apoptosis and NF-κB activation. Expression of the messenger RNA of RIP3 occurs in a subset of adult tissues^{2,3}.

References:

1. Yu, P.W., *et al.* (1999) *Curr Biol.* **9**, 539-542.
2. Sun, X., *et al.* (1999) *J Biol Chem.* **274**, 16871-16875.
3. Pazdernik, N.J., *et al.* (1999) *Mol Cell Bio.* **19**, 6500-6508.



Western blot analysis of mouse 3T3 whole cell lysate in the absence (A) or presence (B) of blocking peptide with RIP3 Polyclonal Antibody at 1 µg/mL



Immunohistochemistry of RIP3 in rat kidney tissue with RIP3 Polyclonal Antibody at 5 µg/mL

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