

Rabbit RIP3 Polyclonal Antibody | anti-Ripk3 antibody

RIP3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10922	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

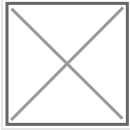
RIP3; Polyclonal Antibody; RIP3 Antibody; Rip3; AW107945; 2610528K09Rik; RIP-like protein kinase 3; RIP-3; receptor-interacting serine-threonine kinase 3; anti-Ripk3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	RIP3 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/ml (varies by lot)
Sequence Length	486
Applicable Applications for anti-Ripk3 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Application Notes	WB: 0.1-0.5 ug/mL IHC-P: 5 ug/mL IF: 20 ug/mL IP: 20 ug/mL Antibody validated: Western Blot in mouse and human samples; Immunohistochemistry in mouse and rat samples; Immunofluorescence in mouse and rat samples; Immunoprecipitation in human samples; Immunogold EM in mouse samples. All other applications and species not yet tested
Conjugate	Unconjugated
Immunogen	Anti-RIP3 antibody was raised against a peptide corresponding to 14 amino acids near the carboxy terminus of murine RIP3. The immunogen is located within the last 50 amino acids of RIP3.
Buffer	RIP3 Antibody is supplied in PBS containing 0.02% sodium azide.
Isoforms	Mouse RIP3 has one isoform (486aa, 53kD). Human RIP3 has 3 isoforms, including isoform1 (518aa, 57kD), isoform 2 (252aa, 28kD) and isoform 3 (231aa, 25kD). Rat RIP3 also has one isoform (478aa, 52kD). can detect can detect isoforms of mouse and rat as well as human isoform 1.

Validation	KO Validation (Figure 7,9,13) shows RIP3 expression detected by anti-RIP3 antibodies (AAA10922) was disrupted in multiple tissues of RIP3 KO mice (figure 7, 13) and in RIP3 KO MEF cells (figure 9). KD Validation (Figure 10): Anti-RIP3 antibody (AAA10922) specificity was further verified by RIP3 specific knockdown. RIP3 signal in L929 cells transfected with RIP3 shRNA was disrupted in comparison with that in cells transfected with control shRNA. Regulated Expression Validation (Figure 7,11,13): RIP3 expression detected by anit-RIP3 antibodies (AAA10922) was up-regulated by treatment of cerulein (figure 7), LPS (figure 11) or acetaminophen (figure 13) in different tissues or cells. Overexpression Validation (Figure 12): RIP3 overexpression detected by anit-RIP3 antibodies (AAA10922) was observed in three cell lines stably transfected with RIP3.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES

 Application Data The cancer cell lines were stably expressing DYKDDDDK-tagged RIP3 and RIP expression was detected by anti-RIP3 antibodies (AAA10922) in RIP3-overexpressed cells.	 Application Data Confocal microscopy shows colocalization of RIPK1 (green) and RIPK3 (red) in PM and RIPK3 was detected by anti-RIPK3 antibodies (AAA10922). PF or BCM suppressed LPS-induced upregulation of RIP3.
 Application Data Immunoblot analysis of RIP3 with anti-RIP3 antibodies (AAA10922) shows RIP3 expression was disrupted in RIP3 knockdown L929 cells.	 WB (Western Blot) Western blot analysis of RIP3 with anti-RIP3 antibodies shows disrupted RIP3 expression in RIP3 KO MEFs, but not in WT MEF cells.
 IHC (Immunohistochemistry) RIP3 expression detected by anti-RIP3 antibodies (AAA10922) was decreased in Fadd KO mice as compared to WT mice.	 WB (Western Blot) Western blot analysis of RIP3 with anti-RIP3 antibodies shows disrupted RIP3 expression in pancreas, liver spleen thymus and lung of RIP3 KO mice. Cerulein treatment upregulated RIP3 expression in the pancreas of WT mice.

ADDITIONAL INFORMATION

Related Product Information for anti-Ripk3 antibody	RIP3 Antibody: Certain serine/threonine protein kinases, such as ASK1, RIP, DAP, and ZIP kinases, are mediators of apoptosis. Receptor interacting proteins including RIP and RIP2/RICK mediate apoptosis induced by TNFR1 and Fas, two prototype members in the death receptor family. A novel member in the RIP kinase family was recently identified and designated RIP3. 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-?B activation. Overexpression of RIP3 induces apoptosis and NF-?B activation. The messenger RNA of RIP3 is expressed in a subset of adult tissues.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6063101
NCBI GeneID	56532
UniProt Accession #	Q9QZL0; Q3U3Z9; Q8K2Y2; G3X8V8

Molecular Weight	Predicted: 53 kD for mouse RIP3 and 57kD for human RIP3 Observed: 53 kD for mouse RIP3 and 57kD for human RIP3
NCBI Official Full Name	receptor interacting protein 3
NCBI Official Synonym Full Names	receptor-interacting serine-threonine kinase 3
NCBI Official Symbol	Ripk3
NCBI Official Synonym Symbols	Rip3; AW107945; 2610528K09Rik
NCBI Protein Information	receptor-interacting serine/threonine-protein kinase 3; RIP-3; mRIP3; RIP-like protein kinase 3; receptor interacting protein 3; receptor-interacting protein 3
UniProt Protein Name	Receptor-interacting serine/threonine-protein kinase 3
UniProt Gene Name	Ripk3
UniProt Synonym Gene Names	Rip3; RIP-3; mRIP3
UniProt Entry Name	RIPK3_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/polyclonal/rip3-antibody-immunofluorescence-immunohistochemistry-immunoprecipitation-western-blot-elisa/10922>