

Product Datasheet

Ripk3 Antibody (orb1239942)

Catalog Number	orb1239942
Category	Antibodies
Description	Ripk3 Antibody
Target	Ripk3
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Form/Appearance	Liquid
Concentration	1 mg/ml
Buffer/Preservatives	RIP3 Antibody is supplied in PBS containing 0.02% sodium azide.
Purification	RIP3 Antibody is affinity chromatography purified via peptide column.
Immunogen	Anti-RIP3 antibody (orb1239942) 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.
UniProt ID	Q9QZL0
MW	Predicted: 53kD for mouse RIP3 and 57kD for human RIP3 Observed: 53kD for mouse RIP3 and 57kD for human RIP3

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Cambridge
CB5 8LA
United Kingdom

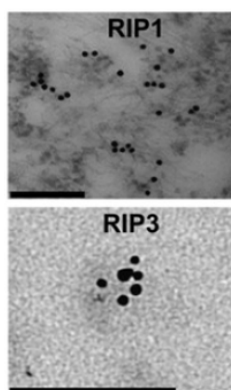
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

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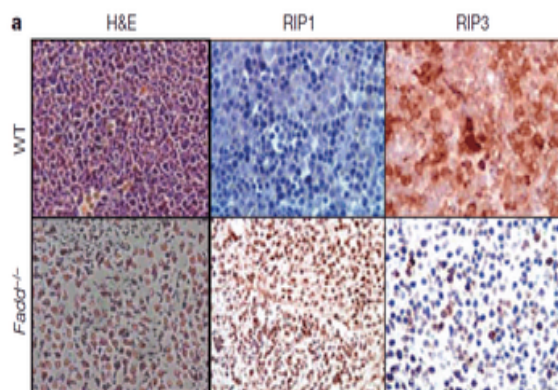
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Durham
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United States

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Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Tested applications	ELISA, IF, IHC-P, IP, WB
Specificity	Specifically detect RIP3 in mouse and rat. Human RIP3 can be detected by hRIP3 antibody.
Antibody Type	Primary Antibody
Modifications	None
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
NCBI	AAF03133
Expiration Date	12 months from date of receipt.



Immunogold EM Validation in MEF Cells. Clustering of RIP3 in necrotic MEFs shown by immunogold EM with anti-RIP3 antibodies (orb1239942). Scale bars, 100 nm (RIP3).



Immunohistochemistry Validation of RIP3 in Fadd KO mice. RIP3 expression detected by anti-RIP3 antibodies (orb1239942) was decreased in Fadd KO mice as compared to WT mice.

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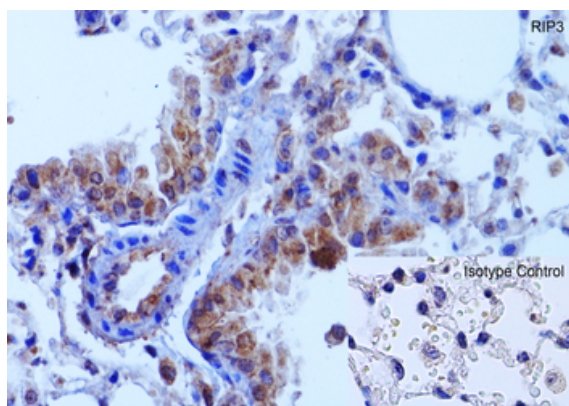
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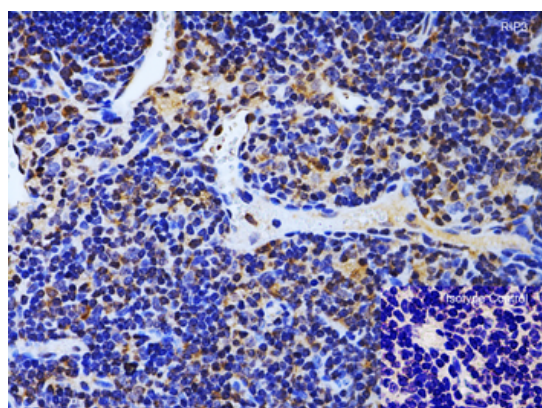
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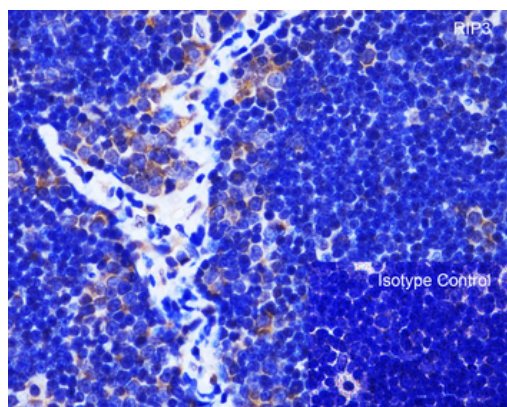
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Immunohistochemistry Validation of RIP3 in Mouse Lung.



Immunohistochemistry Validation of RIP3 in Mouse Thymus. Immunohistochemical analysis of paraffin-embedded mouse thymus tissue using anti-RIP3 antibody (orb1239942) at 1 µg/mL. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunohistochemistry Validation of RIP3 in Rat Thymus. Immunohistochemical analysis of paraffin-embedded rat thymus tissue using anti-RIP3 antibody (orb1239942) at 1 µg/mL. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

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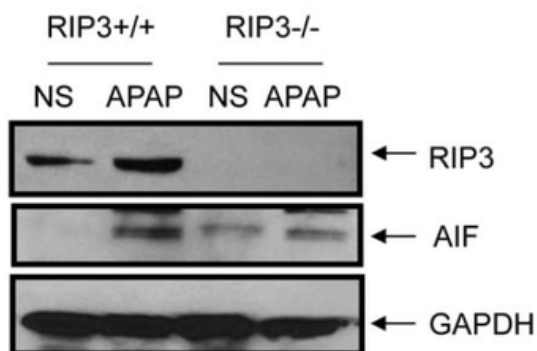
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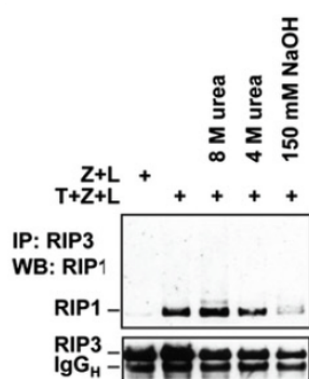
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Induced Expression of RIP3 by Acetaminophen in WT and RIP3 KO Mice. Wild-type and RIP3 KO mice were treated with 300 mg/kg acetaminophen or saline. RIP3 expression detected by anti-RIP3 antibodies (orb1239942) were up-regulated after acetaminophen treatment in the liver, while this effect was not observed in RIP3 KO mice.



IP Validation of RIP3 in HT29 Cells. RIP3 complexes isolated by immunoprecipitation with anti-RIP3 antibodies (orb1239942) from HT-29 cells treated with T+Z+L after lysis in regular lysis buffer or buffer containing the indicated amount of urea or NaOH.



KD Validation of RIP3 in L929 Cells. Immunoblot analysis of RIP3 with anti-RIP3 antibodies (orb1239942) shows RIP3 expression was disrupted in RIP3 knockdown L929 cells.

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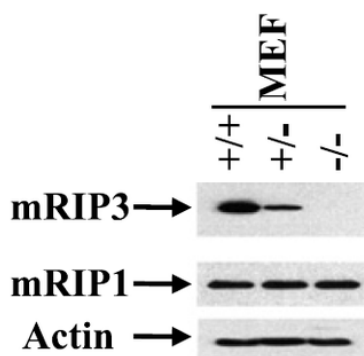
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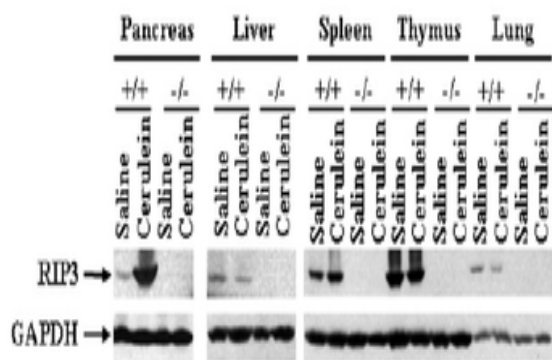
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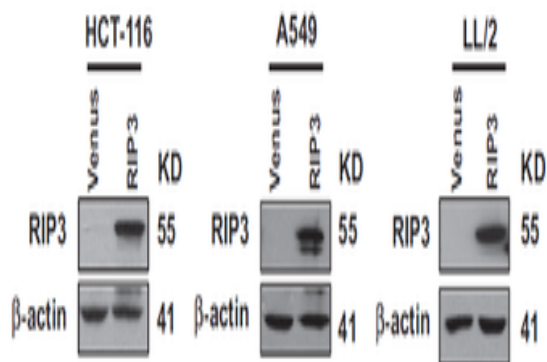
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KO Validation of RIP3 in MEF Cells. Western blot analysis of RIP3 with anti-RIP3 antibodies shows disrupted RIP3 expression in RIP3 KO MEFs, but not in WT MEF cells.



KO Validation of RIP3 in RIP3 KO Mice. 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.



Overexpression Validation of RIP3 in Cancer Cell Lines. The cancer cell lines were stably expressing flag-tagged RIP3 and RIP expression was detected by anti-RIP3 antibodies (orb1239942) in RIP3-overexpressed cells.

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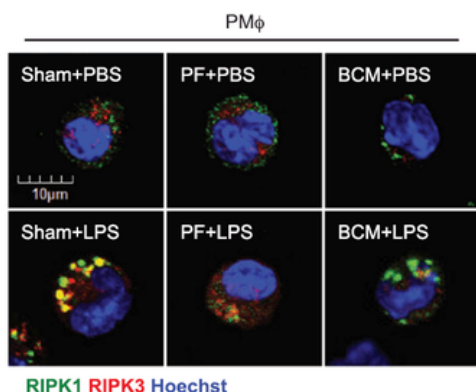
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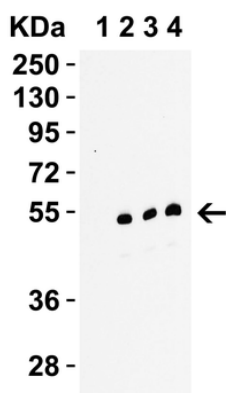
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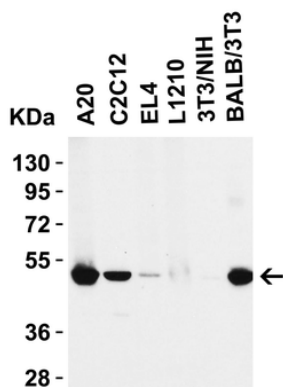
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Regulated Expression Validation of RIP3 in Macrophages. Confocal microscopy shows colocalization of RIPK1 (green) and RIPK3 (red) in PM ϕ and RIPK3 was detected by anti-RIPK3 antibodies (orb1239942). PF or BCM suppressed LPS-induced upregulation of RIP3.



Western Blot Validation in C2C12 Cells Mouse. Loading: 15 μ g of lysates per lane. Antibodies: RIP3 orb1239942, 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Lane 1: orb1239942, 0.1 μ g/mL in the presence of peptide blocking Lane 2: orb1239942, 0.1 μ g/mL Lane 3: orb1239942, 0.2 μ g/mL Lane 4: orb1239942, 0.5 μ g/mL.



Western Blot Validation in Mouse Cell lines. Loading: 15 μ g of lysates per lane. Antibodies: RIP3 orb1239942, (0.5 μ g/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.

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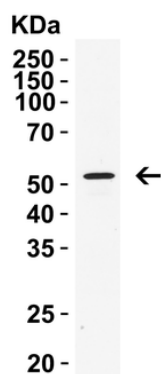
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Western Blot Validation in Rat Thymus. Loading: 15 μ g of lysates per lane. Antibodies: RIP3 orb1239942, 0.5 μ g/mL, 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.

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