BOSTER BIOLOGICAL TECHNOLOGY
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Anti-TRIAD3A RNF216 Antibody

Catalog Number: A05841

About RNF216

Activation of NF-kappaB as a result of Toll-like receptor (TLR) and IL-1 receptor signaling is a major component of innate immune responses. Signals from these receptors are relayed by a number of adapter molecules such as TRIF, TIRAP, and MyD88. Several regulatory mechanisms exist to control TLR signal transduction, including the inhibition of TLR expression and signaling by molecules such as ST2 and SIGIRR. Another mechanism is by the ubi-quitinization of selected TLRs by TRIAD3A, an E3 ubiquitin-protein ligase. TRIAD3A is a RING finger protein that can bind to TLR4 and TLR9, and to a lesser extent TLR3 and TLR5, catalyzing the ubiquitization of these molecules. Overexpression of TRIAD3A promoted the nearly complete degradation of TLR4 and TLR9; this reduction was reflected in the decreased signal-specific activation by ligands specific for these TLRs. Conversely, depletion of TRIAD3A resulted in enhanced TLR activation.

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Overview

Product Name	Anti-TRIAD3A RNF216 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-TRIAD3A RNF216 Antibody (Catalog # A05841). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TRIAD3A Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	TRIAD3A antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9NWF9

Technical Details

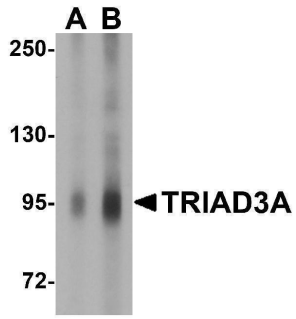
Immunogen	TRIAD3A antibody was raised against a peptide corresponding to 15 amino acids near the amino-terminus of mouse TRIAD3A. The immunogen is located within amino acids 120 - 170 of TRIAD3A.

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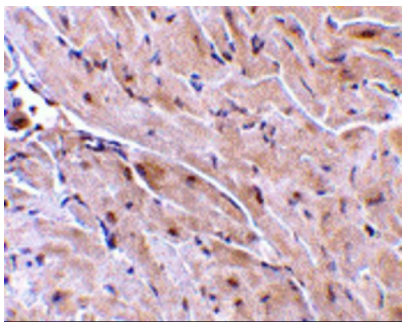
Predicted Reactive Species	Rabbit
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TRIAD3A Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TRIAD3A antibody can be used for detection of TRIAD3A by Western blot at 1 to 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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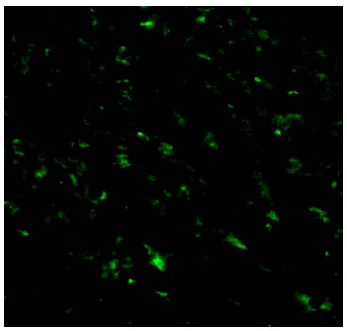
Anti-TRIAD3A RNF216 Antibody (A05841) Images



Western blot analysis of TRIAD3A in mouse heart tissue lysate with TRIAD3A antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of TRIAD3A in mouse heart with TRIAD3A antibody at 10 ug/mL.



Immunofluorescence of TRIAD3A in Mouse Heart cells with TRIAD3A antibody at 20 ug/mL.

Anti-TRIAD3A RNF216 Antibody

For Research Use Only. Not for use in diagnostic procedures.