

RIG-I Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E. coli-derived human DDX58 recombinant protein (Position: H871-K925).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 5mg BSA
Contains	0.05mg sodium azide
Storage conditions	-20°C
RRID	AB_2746264

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunocytochemistry (ICC/IF)	2 µg/mL	-
Flow Cytometry (Flow)	1-3 µg/1x10^6 cells	-

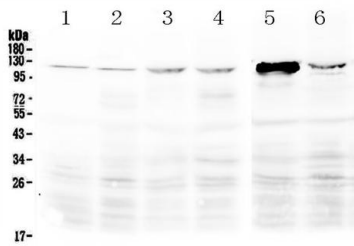
Product Specific Information

Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

Product Images For RIG-I Polyclonal Antibody

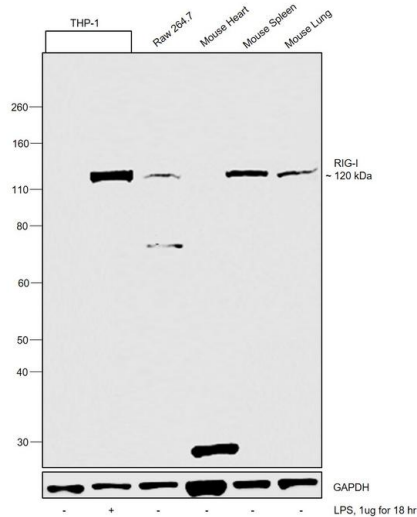
RIG-I Antibody (PA5-79148) in WB

Western blot analysis of RIG-I in Lane 1: rat spleen tissue lysate, Lane 2: rat thymus tissue lysate, Lane 3: mouse spleen tissue lysate, Lane 4: mouse thymus tissue lysate, Lane 5: mouse NIH3T3 whole cell lysate, Lane 6: human Jurkat whole cell lysate using 50 µg (reducing conditions) per well. Electrophoresis was performed on 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours and protein was transferred to a nitrocellulose membrane at 150mA for 50-90 minutes. Sample was blocked with 5% Non-fat Milk/TBS for 1.5 hours at room temperature, incubated with RIG-I polyclonal antibody (Product # PA5-79148) at a dilution of 0.5 µg/mL (overnight at 4°C), followed by goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10,000. Signal development was performed using a chemiluminescence (ECL) kit.



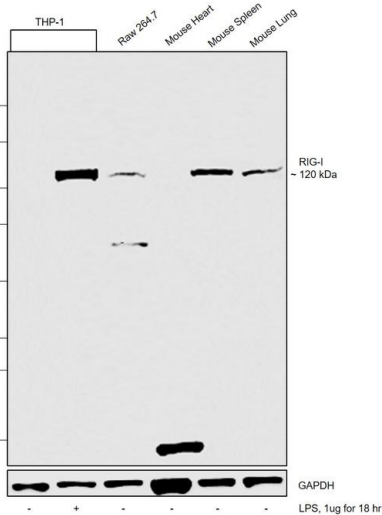
RIG-I Antibody (PA5-79148)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using RIG-I Polyclonal Antibody (Product # PA5-79148), shows increased expression of proteins in THP-1 upon LPS treatment. {TM}



RIG-I Antibody (PA5-79148) in WB

Western blot was performed using RIG-I Polyclonal Antibody (Product # PA5-79148) and a 120 kDa band corresponding to RIG-I was observed across cell lines and tissue extracts tested except Mouse Heart which is reported to be low. The expression of protein was also increased upon Lipopolysaccharide treatment. Membrane enriched extracts (30 µg lysate) of THP-1 (Lane 1), THP-1 treated with LPS (1 µg for 18 Hours) (Lane 2), Raw 264.7 (Lane 3), tissue extracts of Mouse Heart (Lane 4), Mouse Spleen (Lane 5) and Mouse Lung (Lane 6) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (0.1 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP conjugate (Product # A27036, 1:4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



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