

IRAK4 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Non-human primate, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues surrounding lysine 41 of human IRAK4
Form	Liquid
Concentration	300 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20°C
RRID	AB_10979298

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunoprecipitation (IP)	1:50	-

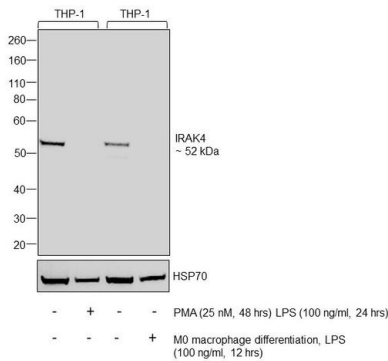
Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For IRAK4 Polyclonal Antibody

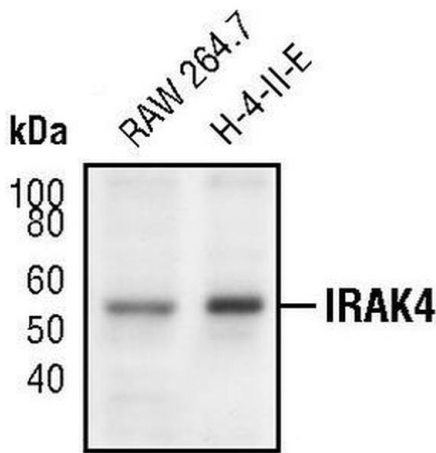
IRAK4 Antibody (PA5-17531)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using IRAK4 Polyclonal Antibody (Product # PA5-17531), shows down regulation in IRAK4 levels in THP-1 differentiated to macrophage. {TM}



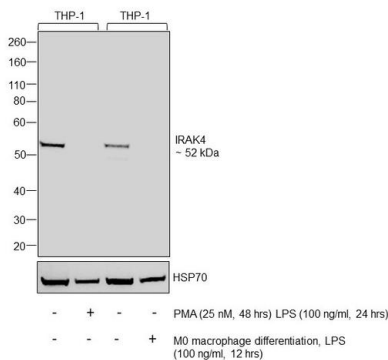
IRAK4 Antibody (PA5-17531) in WB

Western blot analysis of IRAK4 in extracts from RAW 264.7 and H-4-II-E cell lines using IRAK4 polyclonal antibody (Product # PA5-17531).



IRAK4 Antibody (PA5-17531) in WB

Western blot was performed using Anti-IRAK4 Polyclonal Antibody (Product # PA5-17531) and a 52 kDa band corresponding to IRAK4 was observed across cell lines tested. Whole Cell Extract (40 µg lysate) of THP-1 (Lane 1), THP-1 treated with PMA (25 nM for 48 hours) and LPS (100 ng/mL for 24 hours) (Lane 2), THP-1 (Lane 3), THP-1 subjected to M0 macrophage differentiation and treated with LPS (100 ng/mL for 12 hours) (Lane 4) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). 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 (1:1,000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (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). THP-1 differentiated macrophage upon LPS treatment are reported to show down regulation in IRAK4 levels (doi:10.1016/j.celsig.2008.10.009).



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