

HSPA4 Polyclonal Antibody

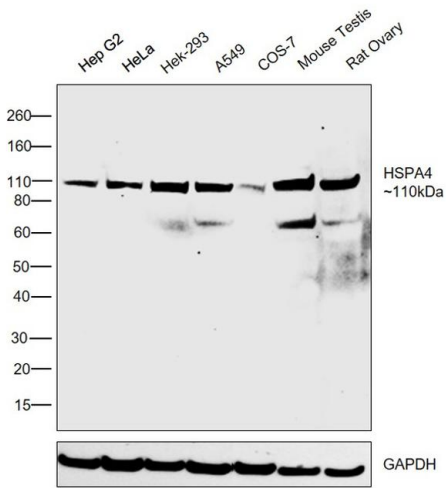
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Non-human primate, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to human HSPA4
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20°C
RRID	AB_10979480

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

Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For HSPA4 Polyclonal Antibody

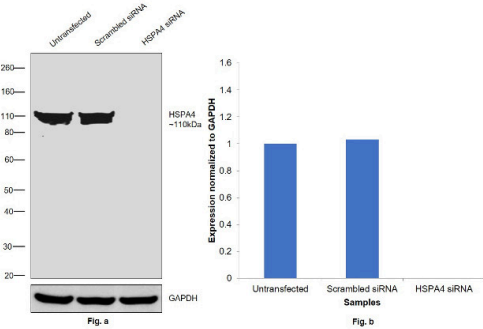


HSPA4 Antibody (PA5-17053) in WB

Western blot was performed using Anti-HSPA4 Rabbit Polyclonal Antibody (Product # PA5-17053) and a 110kDa band corresponding to HSPA4 was observed across cell lines and tissues tested. Whole cell extracts (30 µg lysate) of Hep G2 (Lane 1), HeLa (Lane 2), HEK-293 (Lane 3), A549 (Lane 4), COS-7 (Lane 5), Mouse Testis (Lane 6) and Rat Ovary (Lane 7) 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 (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

HSPA4 Antibody (PA5-17053)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. Hep G2 cells were transfected with HSPA4 siRNA and decrease in signal intensity was observed in western blot application using Anti-HSPA4 Polyclonal Antibody (Product # PA5-17053). {KD}



HSPA4 Antibody (PA5-17053) in WB

Knockdown of HSPA4 was achieved by transfecting Hep G2 with HSPA4 specific siRNAs (Silencer® select Product # s6976, s6978). Western blot analysis (Fig. a) was performed using whole cell extracts from the HSPA4 knockdown cells (lane 3), non-specific scrambled siRNA transfected cells (lane 2) and untransfected cells (lane 1). The blot was probed with HSPA4 Polyclonal Antibody (Product # PA5-17053, 1:1,000 dilution) and Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 0.25 µg/mL, 1:4,000 dilution). Densitometric analysis of this western blot is shown in histogram (Fig. b). Decrease in signal upon siRNA mediated knock down confirms that antibody is specific to HSPA4.

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