

HSPB8 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant full length Human HSPB8.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2720507

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-

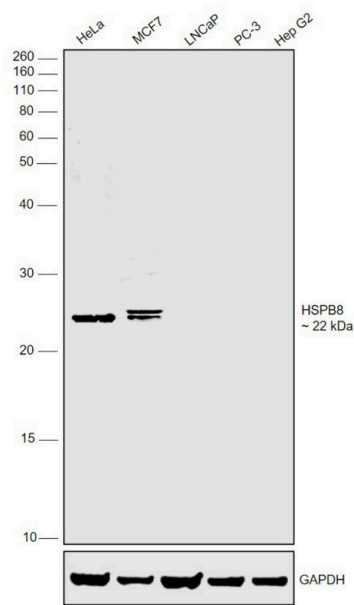
Product Specific Information

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Product Images For HSPB8 Polyclonal Antibody

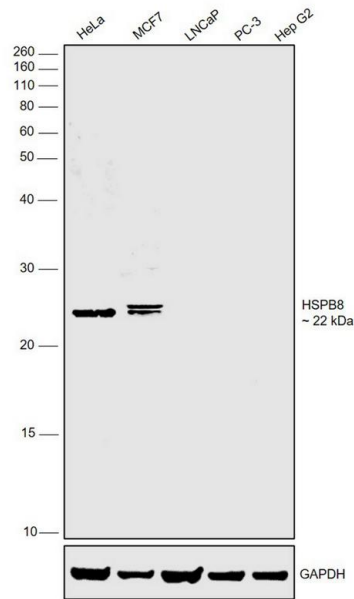
HSPB8 Antibody (PA5-76780)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Relative expression of Heat shock protein beta-8 was observed in HeLa and MCF7 but not in LNCaP, PC-3 and Hep G2 which are reported low expressing for HSPB8 using Anti-HSPB8 Polyclonal Antibody (Product # PA5-76780) in Western Blot. {RE}



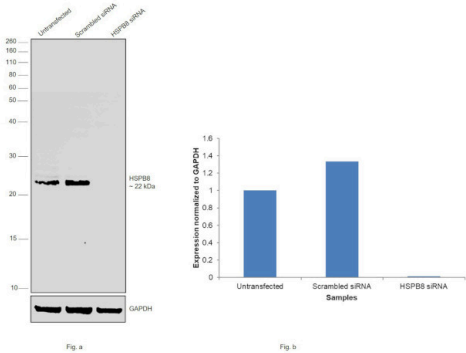
HSPB8 Antibody (PA5-76780) in WB

Western blot was performed using Anti-HSPB8 Polyclonal Antibody (Product # PA5-76780) and a 22kDa band corresponding to HSPB8 was observed in HeLa and MCF7 but not in LNCaP, PC-3 and Hep G2 which are reported low expressing for the same. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), MCF7 (Lane 2), LNCaP (Lane 3), PC-3 (Lane 4) and Hep G2 (Lane 5) 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 (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1: 8000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Reagent Kit (Product # WP20005).



HSPB8 Antibody (PA5-76780)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with HSPB8 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-HSPB8 Polyclonal Antibody (Product # PA5-76780). {KD}



1 Reference

Western Blot (1)

Cell death & disease	Year 2022
HSPB8 counteracts tumor activity of BRAF- and NRAS-mutant melanoma cells by modulation of RAS-prenylation and autophagy.	Species Human
"PA5-76780 was used in Western Blotting to evaluate the role of Small Heat Shock Protein B8 (HSPB8) on cell growth and migration of both BLM (BRAFWt/NRASQ61R) and A375 (BRAFFV600E/NRASwt) human melanoma cell lines."	Dilution 1:1000
Authors: Cristofani R,Piccolella M,Montagnani Marelli M,Tedesco B,Poletti A,Moretti RM	

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