

Maspin 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 MASPIN recombinant protein (Position: M1-A350).
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_2747094

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	0.5-1 µg/mL	-
Immunocytochemistry (ICC/IF)	0.5-1 µg/mL	-

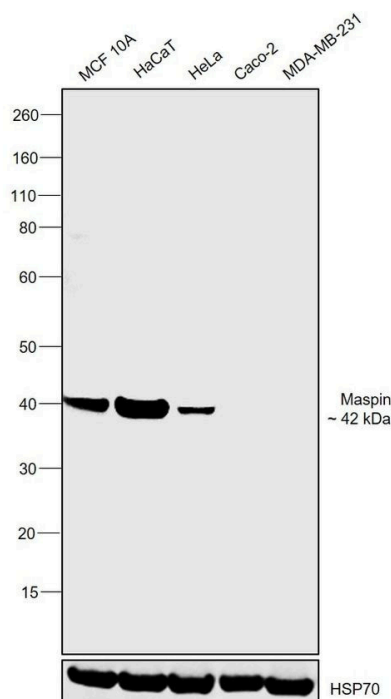
Product Specific Information

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

Product Images For Maspin Polyclonal Antibody

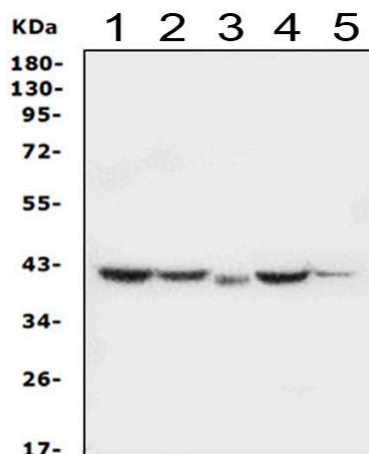
Maspin Antibody (PA5-79979)

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 Maspin was observed in MCF 10A, HaCaT and HeLa in comparison to Caco-2 and MDA-MB-231 using Anti-Maspin Polyclonal Antibody (Product # PA5-79979) in Western Blot. {RE}



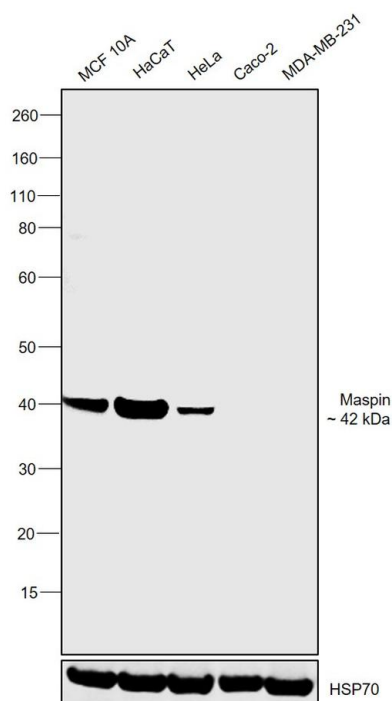
Maspin Antibody (PA5-79979) in WB

Western blot analysis of MASPIN in, Lane 1: rat small intestine tissue lysates, Lane 2: mouse small intestine tissue lysates, Lane 3: human placenta tissue lysates, Lane 4: human MDA-MB-231 whole cell lysates, Lane 5: human MCF-7 whole cell lysates, . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 µg of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. The membrane was blocked with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with Maspin Polyclonal Antibody (Product # PA5-79979) at 0.5 g/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit. A specific band was detected for MASPIN at approximately 42KD. The expected band size for MASPIN is at 42KD.



Maspin Antibody (PA5-79979) in WB

Western blot was performed using Anti-Maspin Polyclonal Antibody (Product # PA5-79979) and a 42 kDa band corresponding to Maspin was observed across cell lines tested except Caco-2 and MDA-MB-231 which is reported to be negative. Whole cell extracts (30 µg lysate) of MCF 10A (Lane 1), HaCaT (Lane 2), HeLa (Lane 3), Caco-2 (Lane 4) and MDA-MB-231 (Lane 5) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein 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 (0.2 µg/mL) 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).



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