Villin Polyclonal Antibody

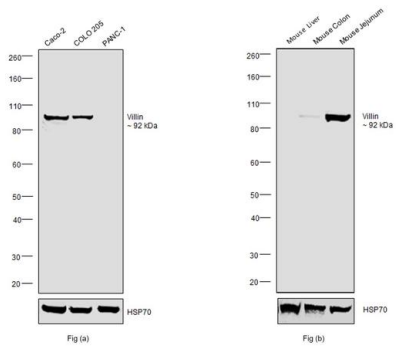
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Villin (770-799 aa EQLVNKPVEELPEGVDPSRKEEHLSIEDFT).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 5mg BSA
Contains	0.05mg sodium azide
Storage conditions	-20°C
RRID	AB_2747335

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	0.5-1 µg/mL	-
Flow Cytometry (Flow)	1-3 µg/1x10^6 cells	-

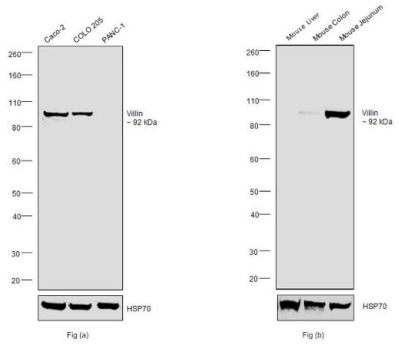
Product Specific Information

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

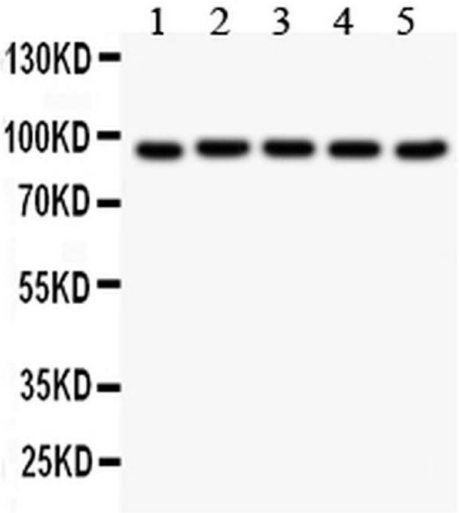
Product Images For Villin Polyclonal Antibody



Villin Antibody (PA5-80221) in WB
Western blot was performed using Anti-Villin Polyclonal Antibody(Product # PA5-80221) and a 92 kDa band corresponding to Villin was observed across cell lines and tissues tested. Whole cell extracts (30 µg lysate) of Caco-2 (Lane 1), COLO 205 (Lane 2) and PANC-1 (Lane 3) as seen in Fig (a). Tissue extracts Mouse Liver (Lane 1), Mouse Colon (Lane 2) and Mouse Jejunum (Lane 3) as seen in Fig (b) 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 (0.5 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).



Villin Antibody (PA5-80221)
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines and tissues tested owing to their inherent genetic constitution. Relative expression of Villin was observed High in Caco-2, COLO 205 and low in PANC-1 as seen in Fig (a). Relative expression of Villin was observed in High in Mouse Jejunum and Low in Mouse Liver and Mouse colon as seen in Fig (b) using Anti-Villin Polyclonal Antibody (Product # PA5-80221) in Western Blot.(Ref :http://dx.doi.org/10.1016/j.cbpa.2016.08.016, https://doi.org/10.1371/journal.pone.0084221). {RE}



Villin Antibody (PA5-80221) in WB
Western blot analysis of Villin in Lane 1: rat Intestine tissue lysate, Lane 2: mouse kidney tissue lysate, Lane 3: RH35 whole cell lysate, Lane 4: HEPG2 whole cell lysate, Lane 5: MCF-7 whole cell lysate using 40-50 µg per well. Sample was incubated with Villin (Product # PA5-80221) at a dilution of 0.5 µg /mL.

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