

PTPN2 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide directed towards the middle region of human PTPN2
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity Chromatography
Storage buffer	PBS with 2% sucrose
Contains	0.09% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2609314

Applications	Tested Dilution	Publications
Western Blot (WB)	0.2-1 µg/mL	-
Immunohistochemistry (IHC)	5 µg/mL	-
Immunocytochemistry (ICC/IF)	1:100	-

Product Specific Information

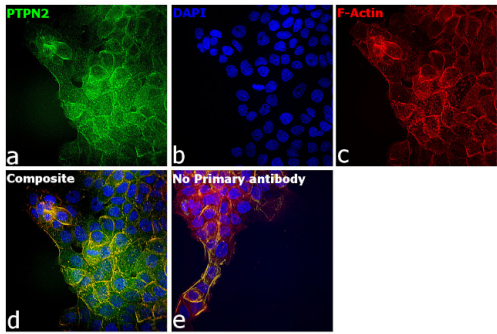
Peptide sequence: ESGSLNPDHG PAVIHCSAGI GRSGTFSLVD TCLVLMEKGD DINIKQVLLN

Sequence homology: Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%

Product Images For PTPN2 Polyclonal Antibody

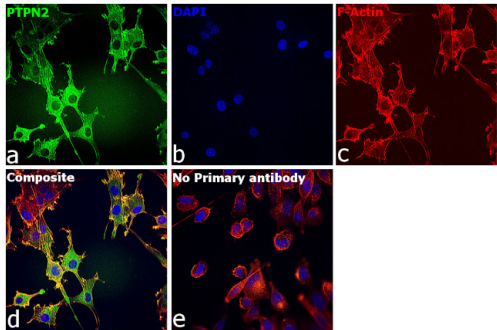
PTPN2 Antibody (PA5-42722) in ICC/IF

Immunofluorescence analysis of PTPN2 was performed using 70% confluent log phase A-431 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.01% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with PTPN2 Polyclonal Antibody (Product # PA5-42722) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then with Goat anti-Rabbit IgG (Heavy Chain) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A27034) at a dilution of 1:2000 dilution for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with Hoechst 33342 (Product # H1399). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing membrane-like and cytoplasmic localization for PTPN2 in A-431. Panel e represents control cells with no primary antibody to assess background. The images were captured at 40X magnification in CellInsight CX7 LZR High-Content Screening (HCS) Platform (Product # CX7C1115LZR).



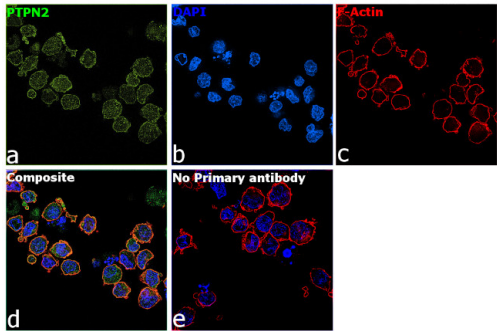
PTPN2 Antibody (PA5-42722) in ICC/IF

Immunofluorescence analysis of PTPN2 was performed using 70% confluent log phase U-87 MG cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.01% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with PTPN2 Polyclonal Antibody (Product # PA5-42722) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then with Goat anti-Rabbit IgG (Heavy Chain) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A27034) at a dilution of 1:2000 dilution for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with Hoechst 33342 (Product # H1399). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing membrane-like localization for PTPN2 in U-87 MG. Panel e represents control cells with no primary antibody to assess background. The images were captured at 40X magnification in CellInsight CX7 LZR High-Content Screening (HCS) Platform (Product # CX7C1115LZR).



PTPN2 Antibody (PA5-42722) in ICC/IF

Immunofluorescence analysis of PTPN2 (Tyrosine-protein phosphatase non-receptor type 2) was performed using K-562 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with PTPN2 Polyclonal Antibody (Product # PA5-42722) at 1:100 in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (1:2500 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic localization of PTPN2 in K-562 cells. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



View more figures on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.