

# PLP1 Polyclonal Antibody

Product Details	
Size	100 µl
Species Reactivity	Bovine, Dog, Horse, Guinea pig, Human, Mouse, Rabbit, Rat, Zebrafish
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide directed towards the N-terminal of human PLP1
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_2608415

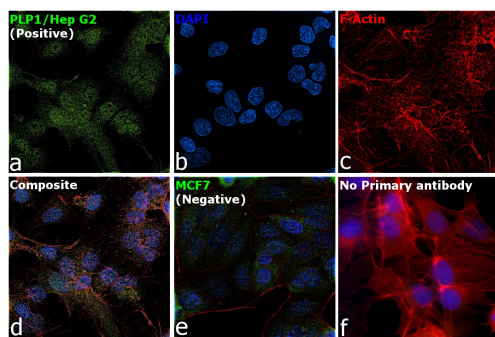
Applications	Tested	Dilution	Published
Immunocytochemistry (ICC)	✓	1:100	
Immunofluorescence (IF)	✓	1:100	
Immunohistochemistry (IHC)	✓	5 µg/mL	
Western Blot (WB)	✓	0.2-1 µg/mL	

## Product Specific Information

Peptide sequence: GHEALTGTEK LIETYFSKNY QDYEYLINVI HAFQYVIYGT ASFFFLYGAL

Sequence homology: Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 75%

## Advanced Verification Data

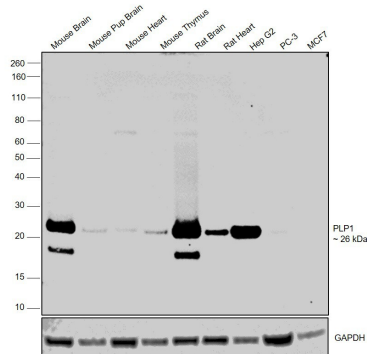


### PLP1 Antibody (PA5-40788)

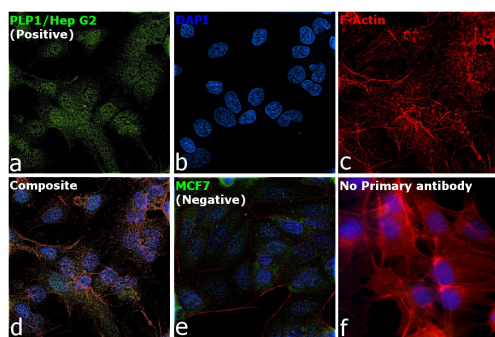
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines tested owing to their inherent genetic constitution. Relative expression of PLP1 was observed in Hep G2 in comparison to MCF7 using Anti-PLP1 Polyclonal Antibody (Product # PA5-40788) in Immunocytochemistry. Relative expression validation info.

### PLP1 Antibody (PA5-40788)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines tested owing to their inherent genetic constitution. Relative expression of PLP1 was observed in Hep G2 in comparison to PC-3 and MCF7 and in Mouse and Rat Brain in comparison to Mouse Brain, Mouse Thymus and Rat Heart using Anti-PLP1 Polyclonal Antibody (Product # PA5-40788) in Western Blot. Relative expression validation info.



## Product Images For PLP1 Polyclonal Antibody



### PLP1 Antibody (PA5-40788) in IF

Immunofluorescence analysis of PLP1 was performed using Hep G2 and MCF7 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with PLP1 Polyclonal Antibody (Product # PA5-40788) at 1:100 dilution in 0.1% BSA and incubated overnight at 4 degree and then labeled with Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32731, 1:2000 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 of PLP1 in Hep G2 (the positive model) and not in MCF7 (the negative model) (panel e). Panel f 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.