

# PMP70 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Hamster, Human, Mouse
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic Peptide: C N(644) Y E F K K I T E D T V E F G S(659)
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2219912

Applications	Tested	Dilution	Published
Immunocytochemistry (ICC)	✓	Assay Dependent	2 Publications
Western Blot (WB)	✓	1:500	4 Publications
Immunohistochemistry (IHC)	-	1:500	1 Publication
Flow Cytometry (Flow)	✓	0.5 µg/test	
Immunofluorescence (IF)	✓	1-10 µg/mL	

## Product Specific Information

PA1-650 detects peroxisomal membrane protein 70 (PMP70) from mouse tissues.

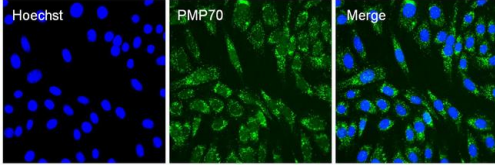
PA1-650 has been successfully used in Western blot, flow cytometry, and immunofluorescence procedures. By Western blot, this antibody detects an ~70 kDa protein representing PMP70 from peroxisome-enriched fractions from L cells.

PA1-650 immunizing peptide corresponds to amino acid residues 644-659 from rat PMP70. This sequence is completely conserved in mouse PMP70 and differs from human PMP70 by a single amino acid substitution. PA1-650 immunizing peptide (Cat. # PEP-038) is available for use in neutralization and control experiments.

## Product Images For PMP70 Polyclonal Antibody

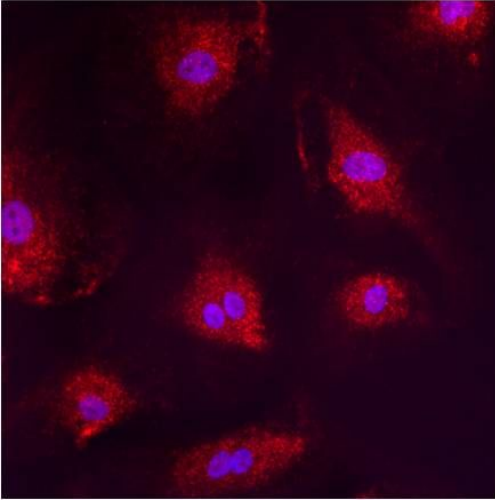
### PMP70 Antibody (PA1-650) in IF

Immunofluorescent analysis of PMP70 (green) in 3T3 cells. The cells were permeabilized with 0.1% Triton X-100 in TBS for 15 minutes, and blocked with 3% Blocker BSA in PBS (Product # 37525) for 15 minutes at room temperature. Cells were stained with a PMP70 rabbit polyclonal antibody (Product # PA1-650), at a dilution of 10 µg/mL in blocking buffer for at least 1 hour at room temperature, and then incubated with a Goat anti-Rabbit IgG Superclonal secondary antibody, Alexa Fluor 488 conjugate (Product # A27034) at a dilution of 1:1000 for 30 minutes at room temperature (green). Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ToxInsight Instrument at 20X magnification.



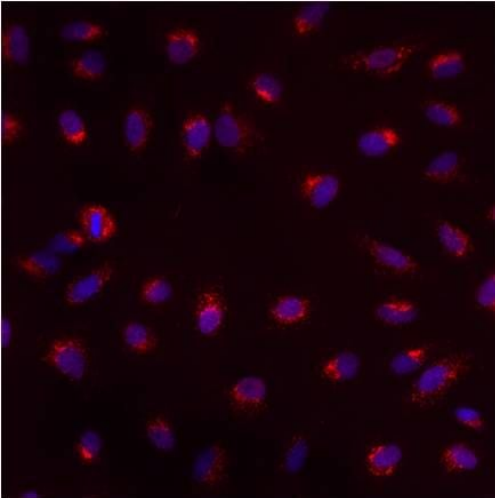
### PMP70 Antibody (PA1-650) in IF

Immunofluorescent analysis of PMP70 using anti-PMP70 polyclonal antibody (Product # PA1-650) shows staining in HMVEC Cells.



### PMP70 Antibody (PA1-650) in IF

Immunofluorescent analysis of PMP70 using anti-PMP70 polyclonal antibody (Product # PA1-650) shows staining in A549 Cells.



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## 7 References

### Immunocytochemistry (2)

#### PLoS pathogens

#### Integrated systems biology analysis of KSHV latent infection reveals viral induction and reliance on peroxisome mediated lipid metabolism.

"PA1650 was used in flow cytometry and immunocytochemistry to characterize the transcriptome of Kaposi's Sarcoma associated Herpesvirus infected cells"

Authors: Sychev ZE, Hu A, DiMaio TA, Gitter A, Camp ND, Noble WS, Wolf-Yadlin A, Lagunoff M

**Species**  
Human

**Dilution**  
1:1000

**Year**  
2017

#### EMBO reports

#### Peroxisomal protein PEX13 functions in selective autophagy.

"PA1-650 was used in immunocytochemistry to study the role of PEX13 in autophagy"

Authors: Lee MY, Sumpter R, Zou Z, Sirasanagandla S, Wei Y, Mishra P, Rosewich H, Crane DI, Levine B

**Species**  
Human

**Dilution**  
1:1000

**Year**  
2017

### Western Blot (4)

#### Endocrinology

#### Peroxisomal localization of the proopiomelanocortin-derived peptides beta-lipotropin and beta-endorphin.

"PA1-650 was used in western blot to study the sub-cellular localisation of beta-lipotropin and beta-endorphin."

Authors: Höftberger R, Kunze M, Voigtländer T, Unterberger U, Regelsberger G, Bauer J, Aboul-Enein F, Garzuly F, Forss-Petter S, Bernheimer H, Berger J, Budka H

**Species**  
Human

**Dilution**  
1:2000

**Year**  
2010

#### The Journal of biological chemistry

#### Small interfering RNA knockdown of calcium-independent phospholipases A2 beta or gamma inhibits the hormone-induced differentiation of 3T3-L1 preadipocytes.

"PA1-650 was used in immunocytochemistry and western blot to study the effect of calcium-independent phospholipases A2 beta or gamma on 3T3-L1 preadipocyte differentiation"

Authors: Su X, Mancuso DJ, Bickel PE, Jenkins CM, Gross RW

**Species**  
Hamster

**Dilution**  
10 ug/ml

**Year**  
2004

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### More applications with references on thermofisher.com

### IHC (1)

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