

Monoacylglycerol Lipase Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 36 and 303 of Human Monoglyceride lipase
Form	Liquid
Concentration	0.4 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol, 1% BSA
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2545391

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	1 Publication

Product Specific Information

Recommended positive controls: HeLa, HepG2, mouse adipose.

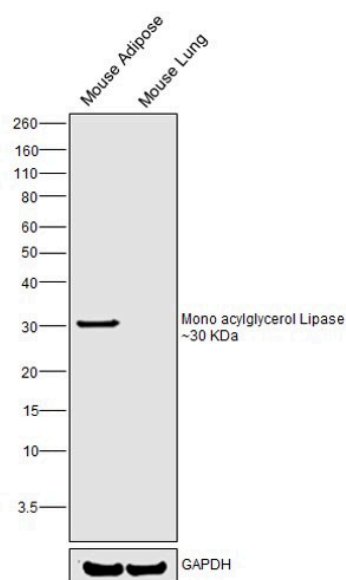
Predicted reactivity: Mouse (84%), Rat (84%), Pig (91%), Bovine (90%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For Monoacylglycerol Lipase Polyclonal Antibody

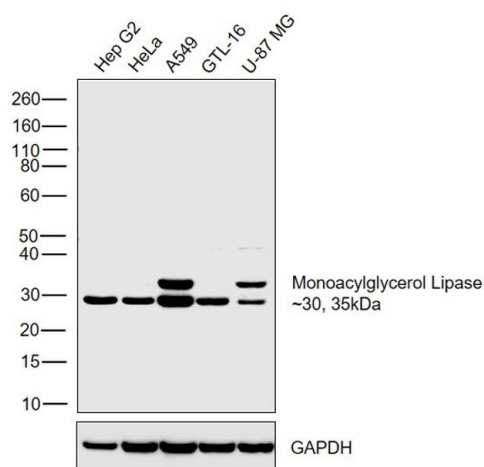
Monoacylglycerol Lipase Antibody (PA5-27915)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissue tested owing to their inherent genetic constitution. Relative expression of Monoacylglycerol Lipase was observed in Mouse Adipose in comparison as to Low to no expression in Mouse Lung using anti- Monoacylglycerol Lipase Polyclonal Antibody (Product # PA5-27915) in Western Blot. (<http://www.jbc.org/content/272/43/27218.full.pdf>) {RE}



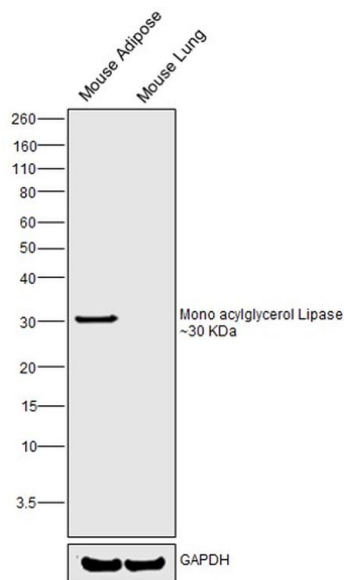
Monoacylglycerol Lipase Antibody (PA5-27915) in WB

Western blot was performed using Monoacylglycerol Lipase Rabbit Polyclonal Antibody (Product # PA5-27915) and 30, 35kDa band corresponding to Monoacylglycerol Lipase was observed across cell lines tested. Whole cell extracts (30 µg lysate) of Hep G2 (Lane 1), HeLa (Lane 2), A549 (Lane 3), GTL-16 (Lane 4) and U-87 MG (Lane 5) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris 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 (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



Monoacylglycerol Lipase Antibody (PA5-27915) in WB

Western blot was performed using Anti-Monoacylglycerol Lipase Polyclonal Antibody (Product # PA5-27915) and 30 kDa band corresponding to Monoacylglycerol Lipase was observed in tissues tested with lower levels in Mouse Lung. Tissue extracts (30 µg lysate) of Mouse Adipose (Lane 1) and Mouse Lung (Lane 2) 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 (0.5 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).



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2 References

Western Blot (1)

The Journal of biological chemistry

C1q/TNF-related protein 2 (CTRP2) deletion promotes adipose tissue lipolysis and hepatic triglyceride secretion.

"PA5-27915 was used in Western Blotting to show that the expression of human CTRP2 is positively correlated with body mass index (BMI) and is up-regulated in obesity."

Authors: Lei X,Wong GW

Year
2019

Species
Mouse

Dilution
1:500

Immunohistochemistry (Paraffin) (1)

eLife

A single-cell atlas of the mouse and human prostate reveals heterogeneity and conservation of epithelial progenitors.

"PA5-27915 was used in Immunohistochemistry (Paraffin) to elucidate new prostate epithelial progenitors, and help resolve long-standing questions about anatomical relationships between the mouse and human prostate."

Authors: Crowley L,Cambuli F,Aparicio L,Shibata M,Robinson BD,Xuan S,Li W,Hibshoosh H,Loda M,Rabadan R,Shen MM

Year
2020

Species
Mouse

Dilution
1:250

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