

GAPDH Loading Control Monoclonal Antibody (GA1R), DyLight 680

Product Details

Size	50 µL
Species Reactivity	Bacteria, Chicken, Hamster, Human, Insect, Mouse, Rabbit, Rat, Yeast
Published Species	Human
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	GA1R
Conjugate	DyLight® 680
Immunogen	Recombinant GAPDH
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with proprietary stabilizer
Contains	0.02% sodium azide
Storage Conditions	4° C, do not freeze
RRID	AB_2537657

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:25-1:100	-
Immunofluorescence (IF)	1:25 - 1:100	-
Western Blot (WB)	1 µg/mL	5 Publications

Product Specific Information

MA5-15738-D680 has successfully been used in immunofluorescence and Western blot applications. DyLight 680 has an excitation/emission of 692/712 nm.

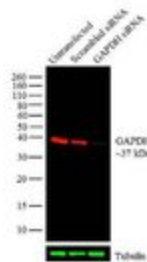


Fig. a

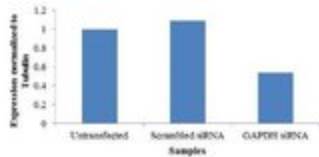
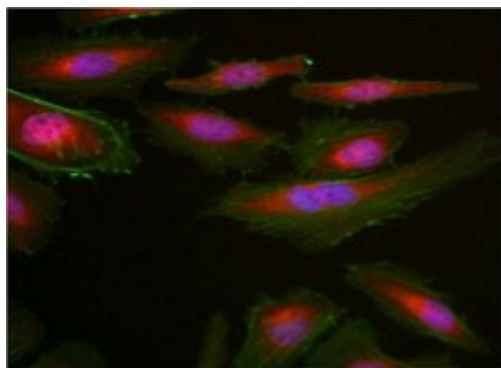


Fig. b

GAPDH Loading Control Antibody (MA5-15738-D680)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with alpha GAPDH siRNA and loss of signal was observed in Western Blot using Anti-GAPDH Loading Control Monoclonal Antibody (GA1R), DyLight 680 (Product # MA5-15738-D680). Knockdown validation info.

Product Images For GAPDH Loading Control Monoclonal Antibody (GA1R), DyLight 680

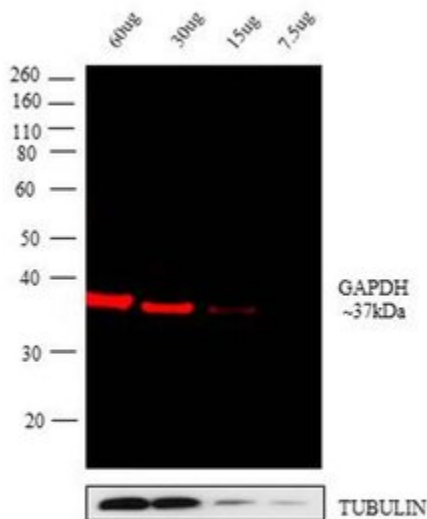


GAPDH Loading Control Antibody (MA5-15738-D680) in IF

Immunofluorescent analysis of GAPDH (red) in HeLa cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA (Product # 37525) for 15 minutes at room temperature. Cells were probed with a DyLight 680-conjugated GAPDH monoclonal antibody (Product # MA5-15738-D680) at a dilution of 1:50 for at least 1 hour at room temperature. F-actin (green) was stained with DyLight 488 Phalloidin (Product # 21833) and nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan or ToxInsight Instrument at 20X magnification.

GAPDH Loading Control Antibody (MA5-15738-D680) in WB

Western blot analysis was performed on whole cell extracts of A431 - 60 µg lysate (Lane 1), 30 µg lysate (Lane 2), 15 µg lysate (Lane 3) and 7.5 µg lysate (Lane 4). The blots were probed with GAPDH Loading Control Mouse Monoclonal Antibody (GA1R), DyLight 680 (Product # MA5-15738-D680). A 37 kDa band corresponding to GAPDH was observed across different concentrations of lysate tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary Antibody following blocking with 5 % skimmed milk. The membrane was probed with the relevant primary and secondary antibody after blocking with 5 % skimmed milk. Fluorescent detection was performed using the Odyssey® Fc imaging system (Li-cor Biosciences).



5 References

Western Blot (5)

Nature communications

SKP2- and OTUD1-regulated non-proteolytic ubiquitination of YAP promotes YAP nuclear localization and activity.

"Published figure using GAPDH Loading Control monoclonal antibody (Product # MA5-15738-D680) in Western Blot"

Authors: Yao F,Zhou Z,Kim J,Hang Q,Xiao Z,Ton BN,Chang L,Liu N,Zeng L,Wang W,Wang Y,Zhang P,Hu X,Su X,Liang H,Sun Y,Ma L

Species

Not Applicable

Dilution

Not Cited

Year

2018

Cell death and disease

Estradiol signaling mediates gender difference in visceral adiposity via autophagy.

"Published figure using GAPDH Loading Control monoclonal antibody (Product # MA5-15738-D680) in Western Blot"

Authors: Tao Z,Zheng LD,Smith C,Luo J,Robinson A,Almeida FA,Wang Z,Olumi AF,Liu D,Cheng Z

Species

Not Applicable

Dilution

Not Cited

Year

2018

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More applications with references on thermofisher.com

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