Rabbit anti-Goat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 568

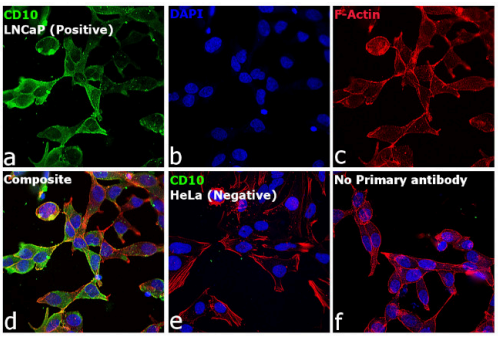
Product Details	
Size	1 mg
Species Reactivity	Goat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 568
Excitation/Emission Max	579/603 nm
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Liquid
Concentration	2 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.5
Contains	5mM sodium azide
Storage conditions	4° C, store in dark
RRID	AB_2534123

Applications	Tested Dilution	Publications
Western Blot (WB)	1:5000-1:10,000	-
Immunohistochemistry (IHC)	1-10 µg/mL	0 Publication
Immunocytochemistry (ICC/IF)	1-10 µg/mL	0 Publication
Flow Cytometry (Flow)	-	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

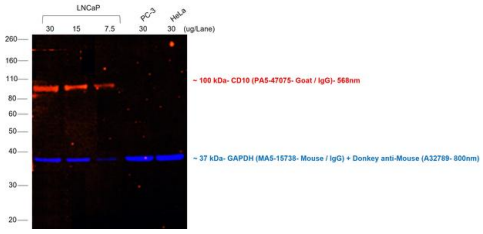
Product Specific Information

Product will be shipped at Room Temperature.

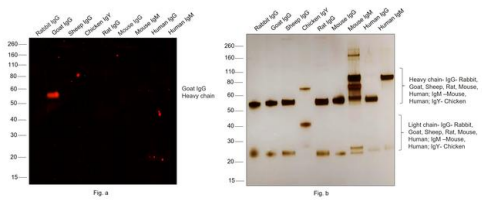
Product Images For Rabbit anti-Goat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 568



Goat IgG (H+L) Cross-Adsorbed Secondary Antibody (A-11079) in ICC/IF
Immunofluorescence analysis of Rabbit anti-Goat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 568 (Product # A-11079) was performed using LNCaP cells stained with CD10 Polyclonal Antibody (Product # PA5-47075). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, blocked with 2% BSA for 1 hour and labeled with 1:100 dilution of primary antibody for 3 hours at room temperature. The cells were probed with Rabbit anti-Goat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 568 (Product # A-11079, 1:2000 dilution) in 0.1% BSA in PBS for 45 minutes at room temperature. Membrane localization of CD10 was seen in LNCaP (Panel a: Green). Nuclei (Panel b: Blue) were stained with Hoechst33342 (Product # H1399). F-actin was stained with Alexa Fluor® 647 Phalloidin (Product # A30107, 1:300). Panel d represents the composite image. The specificity of the secondary antibody was proved by the absence of signal in HeLa (negative model for CD10) due to no primary antibody binding (Panel e). Nonspecific staining was not observed with secondary antibody alone (panel f). The images were captured at 40X magnification in CellInsight CX7 LZR High-Content Screening (HCS) Platform (Product # CX7A1110LZR) and externally deconvoluted (D.Sage et al./Methods 115 (2017) 28–41).



Goat IgG (H+L) Cross-Adsorbed Secondary Antibody (A-11079) in WB
Multiplexed fluorescent western blot was performed using Rabbit anti-Goat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 568 (Product # A-11079). Membrane enriched extracts of LNCap (Lane 1, 2, 3), PC-3 (Lane 4) and HeLa (Lane 5) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were transferred onto anitrocellulose membrane (Product # IB23001) byiBlot® 2 Dry BlottingSystem (Product # IB21001). The blot was probed with CD10 Polyclonal Antibody (Product # PA5-47075) and GAPDH Loading Control Monoclonal Antibody (GA1R) (Product # MA5-15738). Secondary antibodies (Product # A-11079, 1: 10,000 dilution) and (Product # A32789, 1:10000 dilution) were used for detection of CD10 and GAPDH respectively. Fluorescent detection was performed usingiBright™FL1500 (Product # A44115). The anti-goat secondary antibody (Product # A-11079) specifically detects the goat primary antibody.



Goat IgG (H+L) Cross-Adsorbed Secondary Antibody (A-11079) in WB
Western blot was performed using Rabbit anti-Goat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 568 (Product # A-11079) and ~50 kDa band corresponding to Goat IgG Heavy Chain was observed in Goat IgG but not in Rabbit IgG, Sheep IgG, Rat IgG, Chicken IgY, Mouse IgG, Mouse IgM, Human IgG and Human IgM. Purified protein (100 ng) of Rabbit IgG (Lane 1), Goat IgG (Lane 2), Sheep IgG (Lane 3), Chicken IgY (Lane 4), Rat IgG (Lane 5), Mouse IgG (Lane 6), Mouse IgM (Lane 7), Human IgG (Lane 8), Human IgM (Lane 9) (Fig. a) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Rabbit anti-Goat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 568 (Product # A-11079, 1:5000 dilution) and detected using the iBright™ FL1500 (Product # A44115). Silver staining was performed to establish equivalent loading of purified proteins using the Pierce™ Silver Stain Kit (Product # 24612) (Fig. b).

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93 References

Local wakefulness-like activity of layer 5 cortex under general anaesthesia. J Physiol (2024)

The Effects of Short-Chain Fatty Acids in Gut Immune and Oxidative Responses of European Sea Bass (Dicentrarchus labrax): An Ex Vivo Approach. Animals (Basel) (2024)

Nucleoredoxin Redox Interactions Are Sensitized by Aging and Potentiated by Chronic Alcohol Consumption in the Mouse Liver. Antioxidants (Basel) (2024)

Photobiomodulation Can Enhance Stem Cell Viability in Cochlea with Auditory Neuropathy but Does Not Restore Hearing. Stem Cells Int (2023)

COPI-regulated mitochondria-ER contact site formation maintains axonal integrity. Cell Rep (2023)