

Donkey anti-Sheep IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 680

| Product Details | |
|-------------------------|--|
| Size | 1 mg |
| Species Reactivity | Sheep |
| Host/Isotype | Donkey / IgG |
| Class | Polyclonal |
| Type | Secondary Antibody |
| Conjugate | Alexa Fluor™ 680 |
| Excitation/Emission Max | 681/704 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_2535755 |

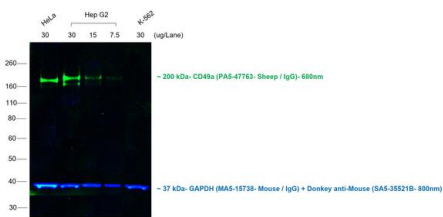
| Applications | Tested Dilution | Publications |
|------------------------------|-----------------|---------------|
| Western Blot (WB) | 0.04-1.0 µg/mL | - |
| Immunohistochemistry (IHC) | - | 0 Publication |
| Immunocytochemistry (ICC/IF) | 1-10 µg/mL | 0 Publication |
| Miscellaneous PubMed (Misc) | - | 0 Publication |

Product Specific Information

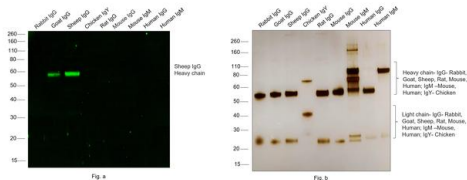
This secondary antibody is designed for fluorescent Western blot detection on various near-infrared fluorescence instruments. This antibody can be used for multi-color and multiplexing detection when using other antibodies conjugated to compatible Alexa Fluor™ dyes and wavelengths. Other applications of this antibody include immunofluorescent and fluorescent imaging applications when using instrumentation with appropriate excitation and detection capabilities.

Product will be shipped at Room Temperature.

Sheep IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21102) in WB
Multiplexed fluorescent western blot was performed using Donkey anti-Sheep IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 680 (Product # A-21102). Membrane enriched extracts of HeLa (Lane 1), Hep G2 (Lane 2, 3, 4) and K-562 (Lane 5) were electrophoresed using NuPAGE™ 3 to 8%, Tris-Acetate, 1.0 mm, Mini Protein Gel, 10-well (Product # EC6695BOX). Resolved proteins were transferred onto nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with CD49a Sheep Polyclonal Antibody (Product # PA5-47763) and GAPDH Loading Control Monoclonal Antibody (GA1R) (Product # MA5-15738). Secondary antibodies (Product # A-21102, 1:5000 dilution) and (Product # SA5-35521B, 1:30,000 dilution) were used for detection of CD49a and GAPDH respectively. Fluorescent detection was performed using iBrightFL1500 (Product # A44115). The anti-sheep secondary antibody (Product # A-21102) specifically detects the sheep primary antibody.



Sheep IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21102) in WB
Western blot was performed using Donkey anti-Sheep IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 680 (Product # A-21102) and ~50 kDa band corresponding to Sheep IgG Heavy Chain was observed in Sheep IgG but not in Rabbit 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 Donkey anti-Sheep IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 680 (Product # A-21102, 1:2000 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). The secondary antibody showed cross reactivity with Goat IgG.



47 References

Analysing the loss of embryogenic competence in long-term cell lines of Solanum betaceum Cav.: involvement of miR827, phosphate and sugar. BMC Plant Biol (2025)

Targeting SUMOylation in ovarian cancer: Sensitivity, resistance, and the role of MYC. iScience (2025)

Consequences of platelet-educated cancer cells on the expression of inflammatory and metastatic glycoproteins. PLoS One (2025)

High protection and transmission-blocking immunity elicited by single-cycle SARS-CoV-2 vaccine in hamsters. NPJ Vaccines (2024)

GFRAL Is Widely Distributed in the Brain and Peripheral Tissues of Mice. Nutrients (2024)

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