

Goat anti-Chicken IgY (H+L) Secondary Antibody, Alexa Fluor™ 546

| Product Details | |
|-------------------------|--|
| Size | 1 mg |
| Species Reactivity | Chicken |
| Host/Isotype | Goat / IgG |
| Class | Polyclonal |
| Type | Secondary Antibody |
| Conjugate | Alexa Fluor™ 546 |
| Excitation/Emission Max | 561/572 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_2534097 |

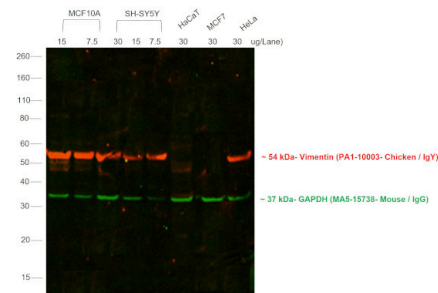
| Applications | Tested Dilution | Publications |
|---|------------------|---------------|
| Western Blot (WB) | 1:5,000-1:10,000 | 0 Publication |
| Immunohistochemistry (IHC) | 1-10 µg/mL | 0 Publication |
| Immunohistochemistry (Frozen) (IHC (F)) | - | 0 Publication |
| Immunocytochemistry (ICC/IF) | 1-10 µg/mL | 0 Publication |
| Flow Cytometry (Flow) | 1-10 µg/mL | - |
| Miscellaneous PubMed (Misc) | - | 0 Publication |

Product Specific Information
 Product will be shipped at Room Temperature.

Product Images For Goat anti-Chicken IgY (H+L) Secondary Antibody, Alexa Fluor™ 546

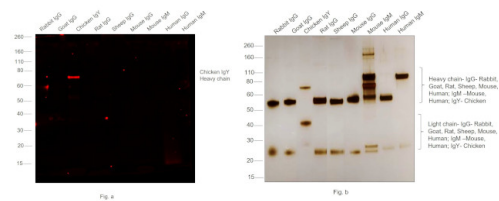
Chicken IgY (H+L) Secondary Antibody (A-11040) in WB

Multiplexed fluorescent western blot was performed using Goat anti-Chicken IgY (H+L) Secondary Antibody, Alexa Fluor™ 546 (Product # A-11040). Whole cell extracts of MCF10A (Lane 1, 2), SH-SY5Y (Lane 3, 4, 5), HaCaT (Lane 6), HeLa (Lane 7), and MCF7 (Lane 8) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were transferred onto nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Vimentin Polyclonal Antibody (Product # PA1-10003), and GAPDH Loading Control Monoclonal Antibody (GA1R) (Product # MA5-15738). Secondary antibodies (Product # A-11040, 1:10000 dilution), and (Product # A32766, 1:10000 dilution) were used for detection of Vimentin, and GAPDH respectively. Fluorescent detection was performed using iBrightFL1500 (Product # A44115). The anti-chicken secondary antibody (Product # A-11040) specifically detects the chicken primary antibody.



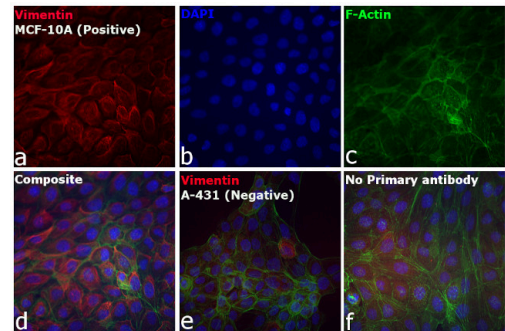
Chicken IgY (H+L) Secondary Antibody (A-11040)

Specificity of secondary antibody was demonstrated by specific detection of the target immunoglobulin. Antibody specificity was demonstrated by specific detection of Chicken IgY. A band at ~67 kDa corresponding to Chicken IgY Heavy Chain was observed in Chicken IgY but not in other species using Goat anti-Chicken IgY (H+L) Secondary Antibody, Alexa Fluor™ 546 (Product # A-11040) in Western Blot. {RE}



Chicken IgY (H+L) Secondary Antibody (A-11040) in ICC/IF

Immunofluorescence analysis of Goat anti-Chicken IgY (H+L) Secondary Antibody, Alexa Fluor™ 546, (Product # A-11040) was performed using MCF 10A (positive model) and A-431 (negative model) cells stained with Vimentin Polyclonal antibody (Product # PA1-10003). 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 1:800 dilution of primary antibody at 4 degree celsius. Goat anti-Chicken IgY (H+L) Secondary Antibody, Alexa Fluor™ 546, (Product # A-11040, 1:2000 dilution) in 0.1% BSA in PBS for 45 minutes at room temperature, was used for detection of Vimentin in the cytoskeleton (Panel a: Red). Nuclei (Panel b: blue) were stained with Hoechst33342 (Product # H1399). F-actin was stained with Alexa Fluor® 488 Phalloidin (Product # A12379, 1:500) (Panel c: green). Panel d represents the composite image. The specificity of the secondary antibody was proved by the absence of signal in A-431 (negative model for Vimentin) due to no primary antibody binding (Panel e). Non-specific 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).



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