

Chicken anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 647

Product Details	
Size	1 mg
Species Reactivity	Rabbit
Host/Isotype	Chicken / IgY
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 647
Excitation/Emission Max	650/671 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_2535861

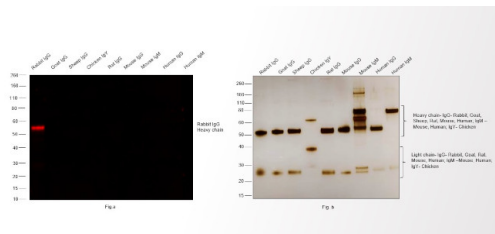
Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000-1:10,000	-
Immunohistochemistry (IHC)	1-10 µg/mL	0 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	0 Publication
Immunocytochemistry (ICC/IF)	1:500-1:2,000	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

Product Specific Information

This chicken anti-rabbit antibody reacts with IgG heavy chains and all classes of immunoglobulin light chains from rabbit. Chicken secondary antibodies have gained popularity because they demonstrate a lower level of nonspecific binding. Chicken antibodies lack a classic "Fc" domain and will not bind to protein A or protein G, nor will they bind to mammalian IgG Fc receptors. Fluorescence of this long-wavelength Alexa Fluor dye is not visible by looking through a conventional fluorescence microscope.

Product will be shipped at Room Temperature.

Product Images For Chicken anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 647

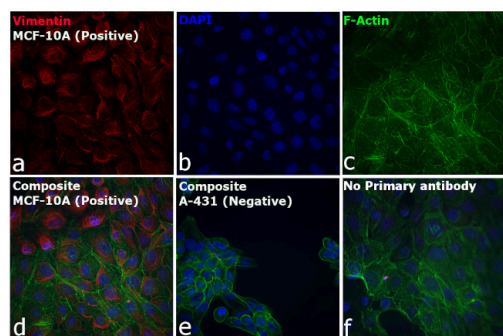


Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21443)

Specificity of secondary antibody was demonstrated by specific detection of the target immunoglobulin. Antibody specificity was demonstrated by specific detection of Rabbit IgG. A band at ~55 kDa corresponding to Rabbit IgG Heavy Chain was observed in Rabbit IgG but not in other species using Chicken anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 647 (Product # A-21443) in Western Blot. {RE}

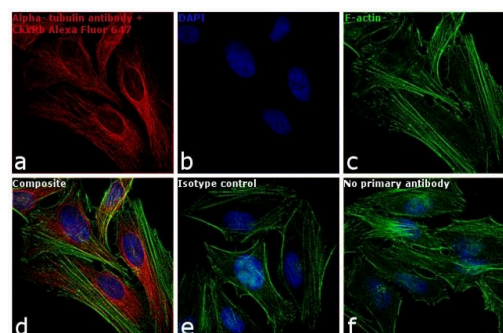
Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21443) in ICC/IF

Immunofluorescence analysis of Chicken anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 647 (Product # A-21443) was performed using MCF 10A (positive model) and A-431 (negative model) in cells stained with Vimentin Polyclonal antibody (Product # PA5-27231). 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 1:500 of primary antibody overnight at 4C. Chicken anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 647 (Product # A-21443, 1:2000) in 0.1% BSA in PBS for 1 hour 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).



Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21443) in ICC/IF

Immunofluorescence analysis of Chicken anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody Alexa Fluor® 647 conjugate was performed using HeLa cells stained with alpha Tubulin Rabbit Polyclonal Antibody (Product # PA516891) The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, blocked with 1% BSA for 1 hour and labeled with 2 µg/mL primary antibody for 3 hours at room temperature. Chicken anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody Alexa Fluor® 647 conjugate (Product # A-21443) was used at a concentration of 4 µg/mL in phosphate buffered saline containing 0.2% BSA for 45 minutes at room temperature, for detection of alpha Tubulin in the cytoplasm (Panel a: red). Nuclei (Panel b: blue) were stained with DAPI in SlowFade® Gold Antifade Mountant (Product # S36938). F-actin was stained with Alexa Fluor® 488 Phalloidin (Product # A12379), 1:300 (Panel c: green). Panel d represents the composite image. No nonspecific staining was observed with the secondary antibody alone (panel f), or with an isotype control (panel e). The images were captured at 60X magnification.



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The OT-II model reveals dual in vitro and in vivo immunomodulatory properties of CD6 in T cell activation. Front Immunol (2025)

Single-cell analysis reveals tumour size as a key driver of immune cell profile alterations in primary breast tumours and corresponding lymph nodes. BJC Rep (2025)

Repression of oxidative phosphorylation by NR2F2, MTERF3 and GDF15 in human skin under high-glucose stress. Redox Biol (2025)

VPS41 recruits biosynthetic LAMP-positive vesicles through interaction with Arl8b. J Cell Biol (2025)

Endothelial Sprout Formation Is Regulated by Substrate Stiffness and Notch Signaling. Int J Mol Sci (2025)

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