

Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488

Product Details	
Size	1 mg
Species Reactivity	Rabbit
Host/Isotype	Donkey / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor® Plus 488
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Liquid
Concentration	2 mg/mL
Purification	Affinity chromatography
Storage buffer	proprietary buffer, pH 6.5
Contains	0.016% Bromonitrodioxane, 0.016% Methylisothiazolone
Storage conditions	4° C, store in dark
RRID	AB_2762833

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.4 µg/mL	-
Immunocytochemistry (ICC/IF)	1-10 µg/mL	1 Publication
Miscellaneous PubMed (Misc)	-	4 Publications

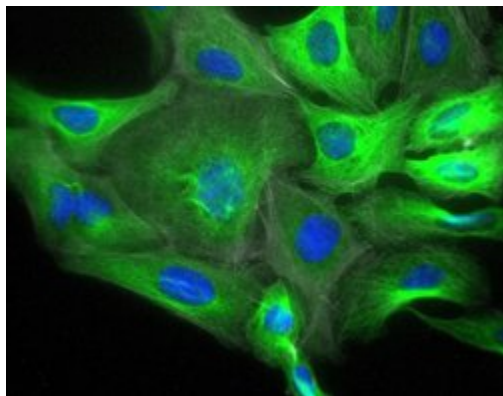
Product Specific Information

To minimize cross-reactivity, the donkey anti-mouse IgG whole antibodies have been cross-adsorbed against IgG from bovine, goat, chicken, guinea pig, hamster, horse, sheep, mouse, rat, and human. Cross-adsorption or pre-adsorption is a purification step to increase specificity of the antibody resulting in less background staining and cross-reactivity. The secondary antibody solution is passed through a column matrix containing immobilized serum proteins from potentially cross-reactive species. Only the nonspecific-binding secondary antibodies are captured in the column, and the highly specific secondaries flow through. Further passages through additional columns result in highly cross-adsorbed preparations of secondary antibody. The benefits of these extra steps are apparent in multiplexing/multicolor-staining experiments where there is potential cross-reactivity with other primary antibodies or in tissue/cell fluorescent staining experiments where there may be the presence of endogenous immunoglobulins.

Using conjugate solutions: Centrifuge the protein conjugate solution briefly in a microcentrifuge before use; add only the supernatant to the experiment. This step will help eliminate any protein aggregates that may have formed during storage, thereby reducing nonspecific background staining. Because staining protocols vary with application, the appropriate dilution of antibody should be determined empirically.

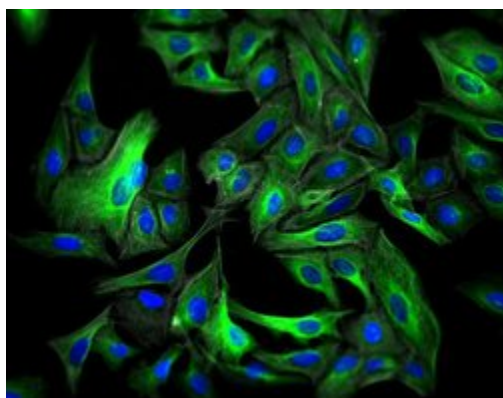
Specificity: This antibody binds to heavy chains on mouse IgG and light chains on all rabbit immunoglobulins. This antibody does not bind non-immunoglobulin rabbit serum proteins or IgG from bovine, goat, chicken, guinea pig, hamster, horse, sheep, mouse, rat, or human.

Product Images For Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488



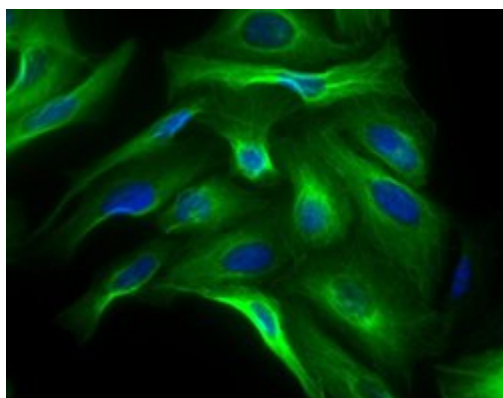
Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A32790) in ICC /IF

Immunofluorescent analysis of tubulin in U2OS cells. The cells were fixed with 4% formaldehyde for 20 mins, permeabilized with 0.5% Triton X-100 in PBS for 20 mins, washed 3X in PBS and blocked with 3% BSA in PBS for 30 mins at RT. Cells were stained with a tubulin antibody at a dilution of 1:1000 in 3% BSA in PBS for 1 hr at RT, washed 3X in PBS and then incubated with Invitrogen Alexa Fluor Plus 488 donkey anti-rabbit IgG secondary antibody (Product # A32790) prepared in 3% BSA in PBS at a dilution of 1:1000 for 1 hr at RT in the presence of NucBlue Live ReadyProbes Reagent (Product # R37605). The image contains overlay of tubulin (red) and nuclei (blue). Images were taken on an EVOS FL Auto 2 Imaging System (Product # AMAFD2000) with an Olympus 40X Super Apochromat objective (Product # AMEP4754) at 40X magnification. Actin was stained using Alexa Fluor Plus Phalloidin (Product # A30105).



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[View more figures on thermofisher.com](https://www.thermofisher.com)

5 References

Immunocytochemistry (1)

Cell reports

Spatiotemporally Dependent Vascularization Is Differently Utilized among Neural Progenitor Subtypes during Neocortical Development.

Authors: Komabayashi-Suzuki M, Yamanishi E, Watanabe C, Okamura M, Tabata H, Iwai R, Ajioka I, Matsushita J, Kidoya H, Takakura N, Okamoto T, Kinoshita K, Ichihashi M, Nagata KI, Ema M, Mizutani KI

Species
Not Applicable

Dilution
Not Cited

Year
2019

Miscellaneous PubMed (4)

Molecular biology of the cell

An IFT20 mechanotraficking axis is required for integrin recycling, focal adhesion dynamics, and polarized cell migration.

"A32790 was used in Immunocytochemistry-immunofluorescence to examine the role of intraflagellar transport (IFT) 20 (Ift20) during polarized migration of epidermal cells."

Authors: Su S, Begum S, Ezratty EJ

Species
Not Applicable

Dilution
1:500

Year
2020

Developmental neurobiology

CD40L reverse signaling suppresses prevertebral sympathetic axon growth and tissue innervation.

"A32790 was used in Immunocytochemistry to show that CD40L reverse signaling has the opposite function in prevertebral ganglion (PVG) sympathetic neurons."

Authors: Calhan OY, Wyatt S, Davies AM

Species
Not Applicable

Dilution
1:500

Year
2019

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More applications with references on thermofisher.com

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