

# Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 555

Product Details	
Size	1 mg
Species Reactivity	Rabbit
Published Species	Rabbit
Host/Isotope	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor® Plus 555
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% Methylisothiazolone, 0.016% Bromonitrodioxane
Storage Conditions	4° C, store in dark
RRID	AB_2633281

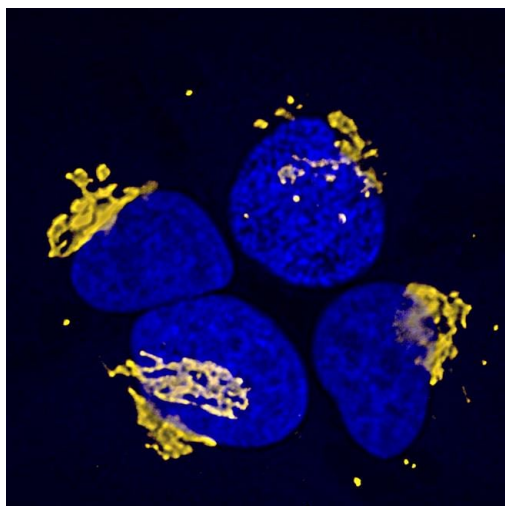
Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	-	1:400	1 Publication
Miscellaneous PubMed (MISC)	-		3 Publications
Immunohistochemistry (IHC)	-	1:1000	3 Publications
Immunocytochemistry (ICC)	✓	1-10 µg/mL	3 Publications
Immunofluorescence (IF)	✓	1-10 µg/mL	4 Publications
Western Blot (WB)	✓	0.1-0.4 µg/mL	2 Publications

## Product Specific Information

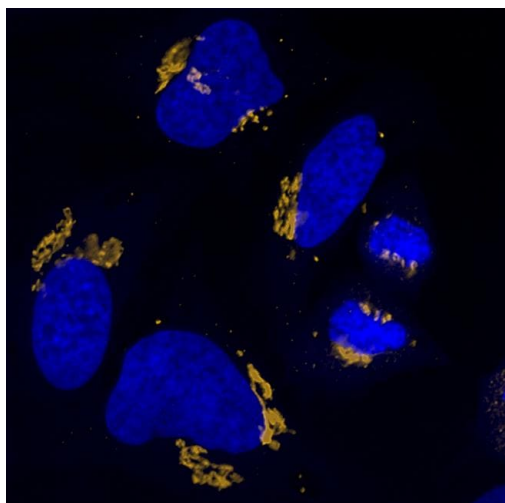
To minimize cross-reactivity, the goat anti-rabbit IgG whole antibodies have been pre cross-adsorbed against bovine IgG, goat IgG, mouse IgG, rat IgG, and human IgG. Cross-adsorption or pre-adsorption is a purification step to increase specificity of the antibody resulting in less background staining 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

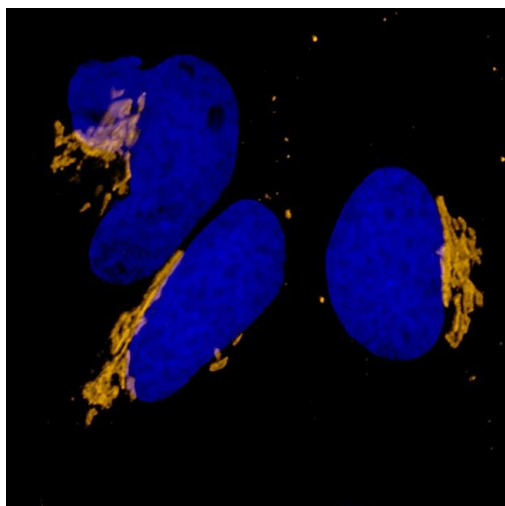
supernatant to the experiment. This step will help eliminate any protein aggregates that may have formed during storage, thereby reducing nonspecific background staining. Because staining protocols vary with application, the appropriate dilution of antibody should be determined empirically.



**Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A32732) in IF** Immunofluorescent analysis of Grasp65 in A549 cells. The cells were fixed with 4% formaldehyde for 15 mins, permeabilized with 0.25% Triton X-100 in PBS for 10 mins, and blocked with 3% BSA in PBS for 30 mins at RT. Cells were stained with a Grasp65 rabbit polyclonal antibody (Product # PA3-910) at a dilution of 1:200 in 3% BSA in PBS for 1 hr at RT, and then incubated with Invitrogen Alexa Fluor Plus 555 goat anti-rabbit IgG secondary antibody (Product # A32732) at a dilution of 1:1000 for 1 hr at RT. Nuclei were stained with Hoechst 33342 (Product # H3570). The image contains overlay of Grasp65 (orange) and nuclei (blue). Images were taken on a Zeiss LSM 710 confocal microscope at 40X magnification.



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## 16 References

### Flow Cytometry (1)

Redox biology

#### **GSNOR modulates hyperhomocysteinemia-induced T cell activation and atherosclerosis by switching Akt S-nitrosylation to phosphorylation.**

Authors: Li J,Zhang Y,Zhang Y,Lü S,Miao Y,Yang J,Huang S,Ma X,Han L,Deng J,Fan F,Liu B,Huo Y,Xu Q,Chen C, Wang X,Feng J

**Species**

Rabbit  
Not Applicable

**Dilution**

1:400  
Not Cited

**Year**

2018

### Miscellaneous PubMed (3)

Redox biology

#### **GSNOR modulates hyperhomocysteinemia-induced T cell activation and atherosclerosis by switching Akt S-nitrosylation to phosphorylation.**

Authors: Li J,Zhang Y,Zhang Y,Lü S,Miao Y,Yang J,Huang S,Ma X,Han L,Deng J,Fan F,Liu B,Huo Y,Xu Q,Chen C, Wang X,Feng J

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**Dilution**

1:400  
Not Cited

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Proceedings of the National Academy of Sciences of the United States of America

#### **PI5P4K functions in DTX1-mediated Notch signaling.**

Authors: Zheng L,Conner SD

**Species**

Rabbit  
Not Applicable

**Dilution**

Not Cited  
Not Cited

**Year**

2018

[View more MISC references on thermofisher.com](#)

### Immunohistochemistry (3)

Journal of controlled release : official journal of the Controlled Release Society

#### **High-efficiency transduction of spinal cord motor neurons by intrauterine delivery of integration-deficient lentiviral vectors.**

Authors: Ahmed SG,Waddington SN,Boza-Morán MG,Yáñez-Muñoz RJ

**Species**

Not Applicable

**Dilution**

1:1000

**Year**

2018

[View more IHC references on thermofisher.com](#)

### More applications with references on thermofisher.com

ICC (3)

IF (4)

WB (2)

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