

Goat anti-Rabbit IgG (H+L) Secondary Antibody, DyLight™ 633

Product Details

Size	1 mL
Species Reactivity	Rabbit
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	DyLight™ 633
Excitation/Emission Max	620/649 nm
Immunogen	Purified Rabbit IgG, whole molecule
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4, with 1% BSA
Contains	0.02% sodium azide
Storage conditions	4° C
RRID	AB_1307539

Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000-1:20,000	-
Immunohistochemistry (IHC)	1:50-1:2,000	-
Immunocytochemistry (ICC/IF)	1:50-1:2,000	0 Publication
Flow Cytometry (Flow)	1:25 - 1:100	-
Immunoprecipitation (IP)	Assay-dependent	-

Product Specific Information

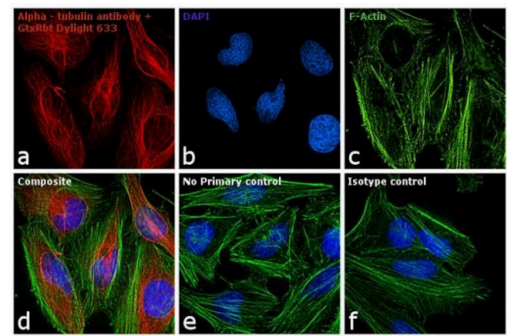
Product # 35562 has been successfully used in Western blot, IF, ICC, IHC, IP and FACS applications.

Product # 35562 reacts with the heavy chains of rabbit IgG and with the light chains common to most rabbit immunoglobulins, but does not react against non-immunoglobulin serum proteins. However, this antibody may cross-react with immunoglobulins from other species.

Store product protected from light at 4°C until opened. To extend the shelf-life of this product, add an equal volume of glycerol to make a final concentration of approximately 50% glycerol and store at -20°C. DyLight 633 Amax= 638 nm; Emax= 658 nm. Mole Dye/Mole Protein Ratio is lot-dependent.

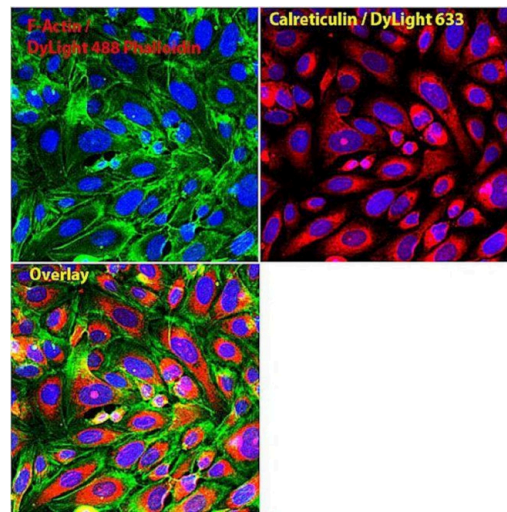
Rabbit IgG (H+L) Secondary Antibody (35562) in ICC/IF

Immunofluorescence analysis of Goat anti-Rabbit IgG (H+L) Secondary Antibody, DyLight 633 (Product # 35562) was performed using HeLa cells stained with alpha Tubulin Rabbit Polyclonal Antibody (Product # PA5-16891). 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 of rabbit primary antibody for 3 hours at room temperature. Goat anti-Rabbit IgG (H+L) Secondary Antibody, DyLight 633 (Product # 35562) was used at concentration of 2 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.



Rabbit IgG (H+L) Secondary Antibody (35562) in ICC/IF

Immunofluorescent analysis of Phalloidin (green) and Calreticulin (red) in U2OS cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in PBS for 10 minutes at room temperature and blocked with 2% BSA (Product # 37525) in PBS + 0.1% Triton X-100 for 30 minutes at room temperature. Cells were probed with a Calreticulin polyclonal antibody (Product # PA3-900) at a dilution of 1:75 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight 633 goat anti-rabbit IgG secondary antibody (Product # 35562) at a dilution of 1:250 for 30 minutes at room temperature. Actin was stained with DyLight 488 Phalloidin (Product # 21833) at a dilution of 1:300 (1 unit/mL final concentration) and nuclei (blue) were stained with Hoechst (Product # 62249) at a concentration of 1 µg/mL for 30 minutes. Images were taken on a Thermo Scientific ArrayScan VTI at 20X magnification.



20 References

Breast Cancer Stem Cell-Derived Tumors Escape from T-cell Immunosurveillance In Vivo by Modulating T-cell Ligands. Cancer Immunol Res (2023)

Aspergillus fumigatus hijacks human p11 to redirect fungal-containing phagosomes to non-degradative pathway. Cell Host Microbe (2023)

The Lipid Raft-Associated Protein Stomatin Is Required for Accumulation of Dectin-1 in the Phagosomal Membrane and for Full Activity of Macrophages against Aspergillus fumigatus. mSphere (2023)

PAI-1 is a potential transcriptional silencer that supports bladder cancer cell activity. Sci Rep (2022)

Conservation and divergence of myelin proteome and oligodendrocyte transcriptome profiles between humans and mice. Elife (2022)

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