

Goat anti-Rabbit IgG (Heavy chain) Superclonal™ Secondary Antibody, Alexa Fluor™ 647

Product Details

Size	1 mg
Species Reactivity	Rabbit
Host/Isotype	Goat / IgG
Expression system	Expi293
Class	Recombinant Superclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 647
Excitation/Emission Max	650/671 nm
Immunogen	Recombinant full-length protein
Form	Liquid
Concentration	1 mg/mL
Purification	Gravity column chromatography
Storage buffer	PBS
Contains	5mM sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2536101

Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	0 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	0 Publication
Immunocytochemistry (ICC/IF)	2 µg/mL	0 Publication
Flow Cytometry (Flow)	1:50	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

Product Specific Information

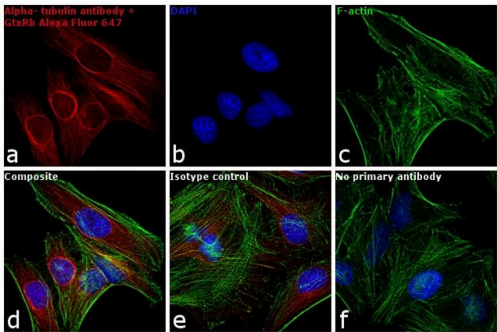
The sensitivity and specificity of each lot is confirmed using ELISA.

Minimal cross-reactivity with mouse, rat, human, bovine, guinea pig and donkey IgG is observed.

Recombinant antibodies are produced using specific genes that code for the desired antibodies. These genes are cloned into an expression vector and expressed in vitro. The advantages of recombinant antibodies include: better specificity, animal origin-free formulation, and more lot-to-lot consistency.

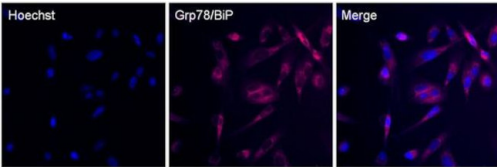
Rabbit IgG (Heavy chain) Secondary Antibody (A27040) in ICC/IF

Immunofluorescence analysis of Goat anti-Rabbit IgG (Heavy Chain) 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. Goat anti-Rabbit IgG (Heavy Chain) Secondary Antibody Alexa Fluor® 647 conjugate (Product # A27040) was used at a 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.



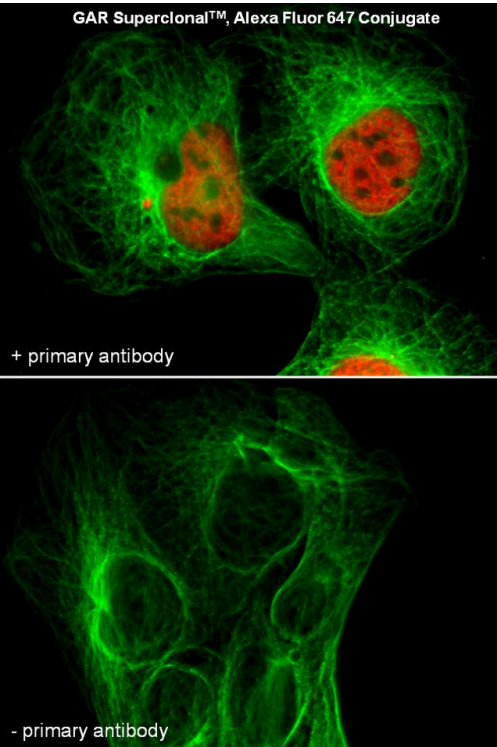
Rabbit IgG (Heavy chain) Secondary Antibody (A27040) in ICC/IF

Immunofluorescent analysis of Grp78/BiP (red) in MDCK cells. The cells were permeabilized with 0.1% Triton X-100 in PBS for 15 minutes, and blocked with 3% Blocker BSA in PBS (Product # 37525) for 15 minutes at room temperature. Cells were stained with a Grp78 rabbit polyclonal antibody (Product # PA1-014A), at a concentration of 10 µg/mL in blocking buffer for at least 1 hour at room temperature, and then incubated with a Goat anti-rabbit IgG (Heavy Chain) Superclonal secondary antibody, Alexa Fluor 647 conjugate (Product # A27040) at a dilution of 1:1,000 for 30 minutes at room temperature (green). Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ToxInsight Instrument at 20X magnification.



Rabbit IgG (Heavy chain) Secondary Antibody (A27040) in ICC/IF

Endogenous Histone H3 (Ack9) (red) was labeled with Rabbit anti-Histone H3 (Ack9) primary antibody (Product # 710293) (1 µg/mL) (top panel) to assess signal or no primary antibody to assess background (bottom panel) in U20S human osteocarcinoma cells and visualized using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 647 conjugate (Product # A27040) (0.4 µg/mL, 1:2,500). To demonstrate multiplexing Tubulin (green) was labeled with anti-Tubulin (Product # 32-2500) mouse primary antibody and visualized with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) (1 µg/mL).



View more figures on thermofisher.cn

Suppression of epileptic seizures by transcranial activation of K⁺-selective channelrhodopsin. *Nat Commun* (2025)

Prion protein regulates invasiveness in glioblastoma stem cells. *BMC Cancer* (2024)

Implantable 3D printed multiplexed microtunnels for spinal cord injury treatment *bioRxiv* (2024)

Mitochondrial mechanotransduction through MIEF1 coordinates the nuclear response to forces. *Nat Cell Biol* (2024)

Ascitic Shear Stress Activates GPCRs and Downregulates Mucin 15 to Promote Ovarian Cancer Malignancy *Research Square* (2024)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.