Goat anti-Rat IgG (H+L) Secondary Antibody, AP

Product Details	
Size	1 mL
Species Reactivity	Rat
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	AP
Form	Lyophilized
Concentration	0.6 mg/mL
Purification	Affinity chromatography
Storage buffer	TBS, pH 8, with 15mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	4° C
RRID	AB_228354

Applications	Tested Dilution	Publications
Western Blot (WB)	1:10,000-1:50,000	-

Product Specific Information

Concentration may vary slightly from lot-to-lot, see lot-specific datasheet for exact concentration.

This antibody has been successfully used in Western blot and IP applications.

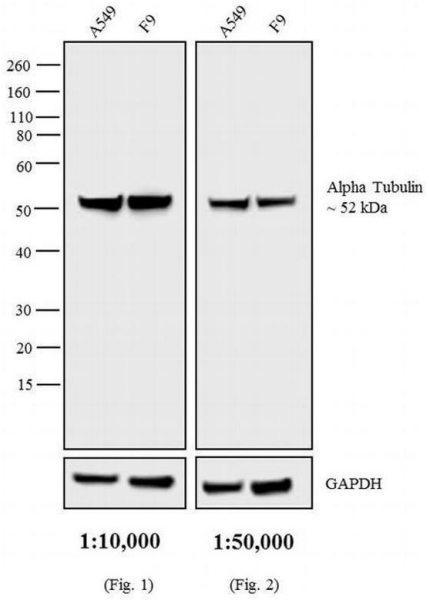
Antibody Specificity: This antibody reacts with the heavy chains of rat IgG and with the light chains common to most rat immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. However, this antibody may cross-react with immunoglobulins from other species.

Restoration and Storage: Store product at 4°C until opened. Restore with 1.0 mL distilled water (0.6 mg/mL after restoration). Centrifuge product if it is not completely clear after standing for 1-2 hours at room temperature. To judge clarity, draw product into a pasteur pipette. Product may be stored for several weeks at 4°C as an undiluted liquid. After dilution, do not use for more than one day.

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.

Country of Origin: USA

Product Images For Goat anti-Rat IgG (H+L) Secondary Antibody, AP



Rat IgG (H+L) Secondary Antibody (31350) in WB
Western blot analysis was performed on whole cell extracts (30 µg lysate) of A549 (Lane 1) and F9 (Lane 2). The blots were probed with Anti-Alpha Tubulin Rat Monoclonal Antibody (Product # MA1-80017, 1 µg/mL) and detected by chemiluminescence for alkaline phosphatase substrate using Goat anti-Rat IgG (H+L) Secondary Antibody, AP (Product # 31350) at dilutions 1:10,000 (Fig. 1) and 1:50,000 (Fig. 2). A 52 kDa band corresponding to Alpha Tubulin was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary antibody after blocking with 5 % skimmed milk. Chemiluminescent detection of alkaline phosphatase (AP) was performed using Novex® AP Chemiluminescent Substrate (CDP-Star®) (Product # WP20002) with Novex® AP Chemiluminescent Substrate Enhancer (Nitro Block II™) (Product # WP20003).

55 References

PD-L1 blockade immunotherapy rewires cancer emergency myelopoiesis bioRxiv (2023)

Cellular iron governs the host response to malaria. PLoS Pathog (2023)

QUAS-R: An SLC1A5-mediated glutamine uptake assay with single-cell resolution reveals metabolic heterogeneity with immune populations. Cell Rep (2023)

Poly(ADP-Ribose) Polymerase-1 Lacking Enzymatic Activity Is Not Compatible with Mouse Development. Cells (2023)

NCoR1 controls Mycobacterium tuberculosis growth in myeloid cells by regulating the AMPK-mTOR-TFEB axis. PLoS Biol (2023)