Rabbit anti-Rat IgG (H+L) Secondary Antibody, Biotin

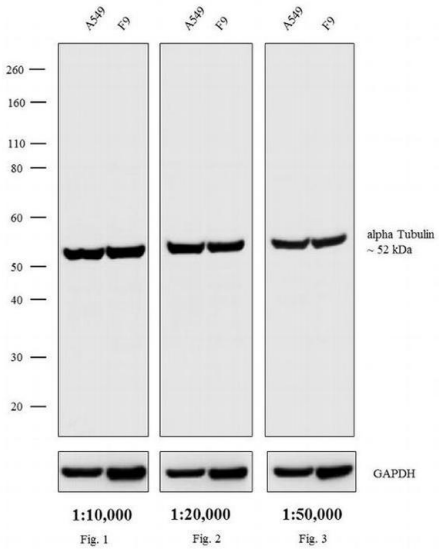
Product Details	
Size	1 mg
Species Reactivity	Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Biotin
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Liquid
Concentration	1.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 1% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2535694

Applications	Tested Dilution	Publications
Western Blot (WB)	1:10,000-1:50,000	-
Immunocytochemistry (ICC/IF)	1:500-1:20,000	-
Flow Cytometry (Flow)	1:500-1:20,000	-
ELISA (ELISA)	1:500-1:20,000	-

Product Specific Information

The sensitivity of each lot of antibody is confirmed using ELISA. The specificity of each lot of antibody is confirmed by immunoelectrophoresis (IEP).

Product Images For Rabbit anti-Rat IgG (H+L) Secondary Antibody, Biotin



Rat IgG (H+L) Secondary Antibody (A18919) 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 using Rabbit anti-Rat IgG (H+L) Secondary Antibody, Biotin (Product # A18919) at dilutions 1:10,000 (Fig. 1), 1:20,000 (Fig. 2) and 1:50,000 (Fig. 3). 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. This is followed by incubating the membrane with Poly-HRP Streptavidin (Product # N200, 1:10,000 dilution). Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

3 References

A comparison of rat models that best mimic immune-driven preeclampsia in humans. Front Endocrinol (Lausanne) (2023)

The sensory trigeminal complex and the organization of its primary afferents in the zebra finch (Taeniopygia guttata). J Comp Neurol (2017)

Innervation of the syrinx of the zebra finch (Taeniopygia guttata). J Comp Neurol (2017)