

Sheep anti-Rabbit IgG (H+L) Secondary Antibody, HRP

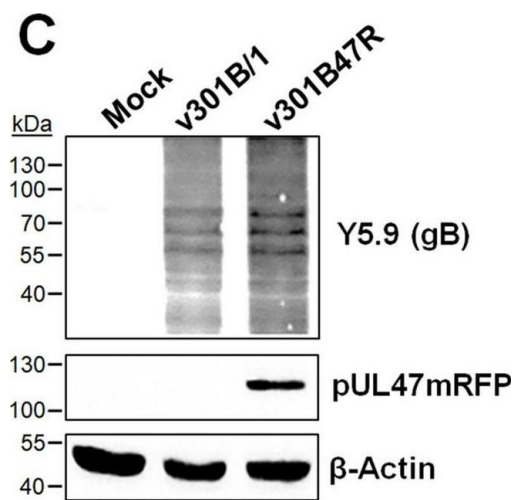
Product Details	
Size	1 mg
Species Reactivity	Rabbit
Host/Isotype	Sheep / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	HRP
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Lyophilized
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 1% BSA
Contains	0.1% ProClin 150
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2534843

Applications	Tested Dilution	Publications
Western Blot (WB)	1:2,000-1:10,000	0 Publication
Immunohistochemistry (IHC)	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).

Rehydrate with 1.1 mL of deionized water and let stand 30 minutes at room temperature to dissolve. (Product has been overfilled to ensure complete recovery.) Centrifuge to remove any particulates. Prepare fresh working dilution daily. Store lyophilized material at 2-8 °C. For long term storage after reconstitution, dilute with 50% glycerol and store at -20 °C as a liquid. Based on Immunoelectrophoresis, no reactivity is observed to: non-immunoglobulin rabbit serum proteins.

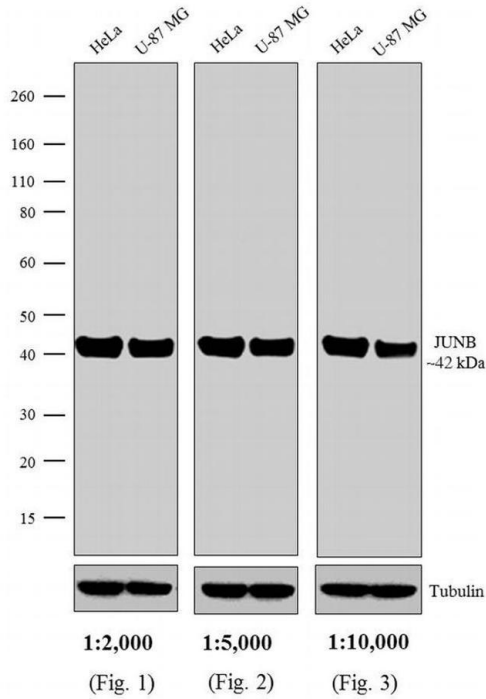


Rabbit IgG (H+L) Secondary Antibody (A16172) in WB

Replication and fluorescent protein expression in tissue culture cells. (A) Mean plaque areas ($n = 25$) of viruses reconstituted from r301B/1 and r301B47R were measured and the results are shown as box & whisker plots. There were no significant differences in plaque sizes between the two viruses using Student's t tests. (B) Representative plaques for v301B/1 and v301B47R are shown. Plaques were stained with polyclonal chicken anti-GaHV-3 antibody and goat anti-chicken-IgY Alexa488 (green) was used as secondary antibody to identify plaques. Fluorescent expression of mRFP (red) was directly visualized and cells were counterstained with Hoechst 33342 to visualize nuclei. (C) Western blotting for pUL47mRFP using anti-mRFP antibody. The anti-GaHV-3 antibody Y5.931 was used to show the relative level of infection in the cultures. Antibody against chicken -actin is shown as a loading control. (D) Fluorescent protein expression in feather follicles (FFs) infected with v301B47R at 21 dpi. FFs were also stained with anti-HVT L78.2 or -GaHV-3 Y5.9 plus anti-mouse IgG-Alexa488 (green) and images were collected with a fluorescent stereoscope. (E) Percent of chickens positive for pUL47mRFP in experimental and naturally (contact) infected chickens over 60 days. ND not done. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/33833367>), licensed under a CC BY license.

Rabbit IgG (H+L) Secondary Antibody (A16172) in WB

Western blot analysis was performed on nuclear enriched extracts (30 μ g lysate) of HeLa (Lane 1) and U-87 MG (Lane 2). The blots were probed with Anti-JUNB Recombinant Rabbit Monoclonal Antibody (Product # 701702, 2 μ g/mL) and detected by chemiluminescence using Sheep Anti-Rabbit IgG (H+L) Secondary Antibody, HRP (Product # A16172) at dilutions 1:2,000 (Fig. 1), 1:5,000 (Fig. 2) and 1:10,000 (Fig. 3). A 42 kDa band corresponding to JUNB was observed. Known quantity of protein samples were electrophoresed using Novex® NuPAGE®12 % Bis-Tris gel (Product # NP0342BOX), 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 was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).



3 References

Mitochondrial Transcription Factor A Regulates Foxp3+ T Cell Mediated Maintenance of CD4+ T Cell Landscapes and Immunological Aging bioRxiv (2022)

The requirement of glycoprotein C (gC) for interindividual spread is a conserved function of gC for avian herpesviruses. Sci Rep (2021)

Effects of FSS on the expression and localization of the core proteins in two Wnt signaling pathways, and their association with ciliogenesis. Int J Mol Med (2018)

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.