Goat anti-Rabbit IgG (Heavy chain), Superclonal™ Recombinant Secondary Antibody, HRP

Product Details	
Size	1 mg
Species Reactivity	Rabbit
Host/Isotype	Goat / IgG
Expression system	Expi293
Class	Recombinant Polyclonal
Type	Secondary Antibody
Conjugate	HRP
Immunogen	Recombinant full-length protein
Form	Liquid
Concentration	1 mg/mL
Purification	Gravity column chromatography
Storage buffer	HRP Stabilizer, PBS
Contains	proprietary preservative
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2536099

Applications	Tested Dilution	Publications
Western Blot (WB)	1:10,000-1:200,000	0 Publication
ELISA (ELISA)	0.05-1 µg/mL	-
Immunoprecipitation (IP)	1:1,000-1:5,000	-
Peptide array (Array)	1:1,000-1:5,000	-
Miscellaneous PubMed (Misc)	-	0 Publication

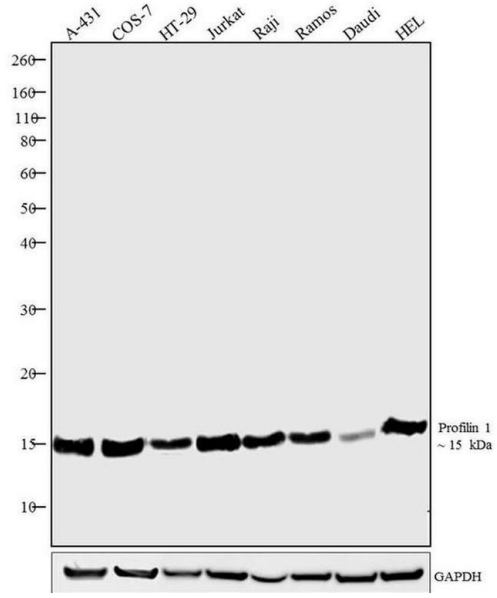
Product Specific Information

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

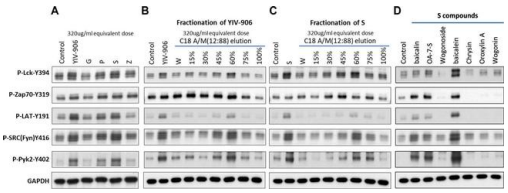
Minimal cross-reactivity with mouse, rat, human, bovine, guinea pig and donkey IgG is observed.

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.

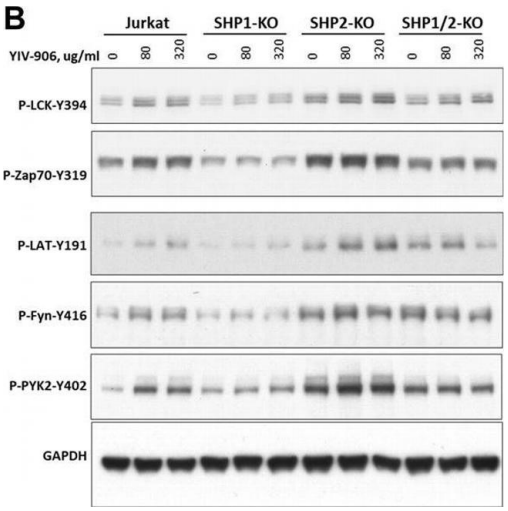
Product Images For Goat anti-Rabbit IgG (Heavy chain), Superclonal™ Recombinant Secondary Antibody, HRP



Rabbit IgG (Heavy chain) Secondary Antibody (A27036) in WB
Western blot analysis was performed on whole cell extracts (30 µg lysate) of A-431 (Lane1), COS-7 (Lane 2), HT-29 (Lane 3), Jurkat (Lane 4), Raji (lane 5), Ramos (Lane 6), Daudi (Lane 7) and HEL (Lane 8). The blots were probed with Anti-Profilin-1 Rabbit Polyclonal Antibody (Product # 720121, 1-2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg /mL, 1:2,500 dilution). A 15 kDa band corresponding to Profilin1 was observed across cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12% Bis-Tris gel (Product # NP0321BOX), 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 Pierce™ Power Blotter System (Product # 22834). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5% skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



Rabbit IgG (Heavy chain) Secondary Antibody (A27036) in WB
Effect of YIV-906 and its component on protein phosphorylation of T cell receptor signaling cascades and NFAT mediated transcriptional response. Effect of YIV-906 and its component herbs (A), the fractions of YIV-906 (B), S (C), and S compounds (D) on protein phosphorylation of T cell receptor signaling cascades including, Lck, Fyn, Zap70, LAT, and Pyk2. Jurkat cells were treated with YIV-906 and its component herbs, the fractions of YIV-906 and S at an equivalent dose of 320ug/ml for 45min. C18 solid phase extract column was used to fractionize YIV-906 and S by eluting with water and increasing percentage of acetonitrile/methanol (A/M). All eluted fractions were dried and reconstituted with water to an equivalent concentration at 100 mg/ml. 20 uM of S was used to treat Jurkat cells for 45 min. Western blot analysis was used to determine the protein phosphorylation using specific antibodies. GAPDH was used to normalize the protein loading. Cropped blots are used in this figure and they have been run under the same experimental conditions. Effects of S compounds on NFAT mediated transcriptional activity of PD1 overexpressed Jurkat cells incubated with Raji cells (E,G) and PD-L1 overexpressed Raji cells (F,H) without and with SEE. S compounds, up to 40 uM, were added to Jurkat-PD1 cells, which were stably transfected with NFAT luciferase reporter and co-culturing with Raji cells or Raji-PD-L1 cells with SEE 10 ng/ml for 24 h … Image collected and cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov /36686648), licensed under a CC BY license.



Rabbit IgG (Heavy chain) Secondary Antibody (A27036) in WB
Effect of YIV-906 on TCR downstream protein phosphorylation and NFAT mediated transcriptional activity of Jurkat cells in the presence or absence of SHP1 and/or SHP2. (A) Effect of YIV-906 on the enzymatic activities of SHP1 and SHP2. Activities of SHP2 and SHP2 were determined by the p-Nitrophenyl Phosphate (pNPP) colorimetric assay. Each data point represents the mean of triplicate samples. (B) Effect of YIV-906 on protein phosphorylation of T cell receptor signaling cascades including, Lck, Fyn, Zap70, LAT, and Pyk2. Jurkat cells were treated with YIV-906 for 45 min. Western blot analysis was used to determine the protein phosphorylation using specific antibodies. GAPDH was used to normalize the protein loading. (C) NFAT response of Jurkat-PD1 cells with SHP1 and/or SHP2 knockout to YIV-906. (D) NFAT activity of Jurkat-PD1 cells with SHP1 and/or SHP2 knocked-out co-cultured with Raji wt or Raji-PD-L1 plus SEE. (E) NFAT response of Jurkat-PD1 cells with SHP1 and/or SHP2 knocked-out co-cultured with Raji wt plus SEE. (F) NFAT response of Jurkat-PD1 cells with SHP1 and/or SHP2 knocked-out co-cultured with Raji-PD-L1 wt plus SEE 10 ng/ml. Each data point represents the average mean of four experiments of triplicate samples from NFAT luciferase reporter assay. Details of experimental procedures are given in materials and methods. Image collected and cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov /36686648), licensed under a CC BY license.

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94 References

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