# Donkey anti-Goat IgG (H+L) Secondary Antibody, HRP

| Product Details | |
|---|---|
| Size | 1 mg |
| Species Reactivity | Goat |
| Host/Isotype | Donkey / 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_2534673 |

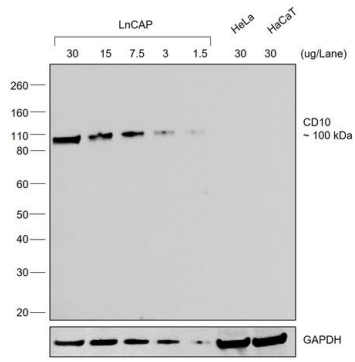
| Applications | Tested Dilution | Publications |
|---|---|---|
| Western Blot (WB) | 1:500-1:20,000 | 0 Publication |
| Immunohistochemistry (IHC) | 1:500-1:20,000 | - |
| ELISA (ELISA) | 1:500-1:20,000 | - |
| Miscellaneous PubMed (Misc) | - | 0 Publication |

### Product Specific Information

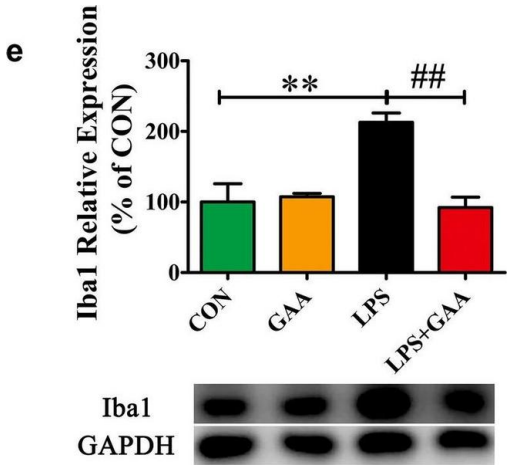
The sensitivity of each lot of antibody is confirmed using ELISA. The specificity of each lot of antibody is confirmed by immunoelectrophoresis (IEP).

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 goat serum immunoglobulins.

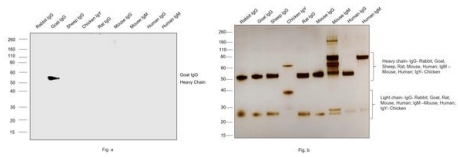
## Product Images For Donkey anti-Goat IgG (H+L) Secondary Antibody, HRP




**Goat IgG (H+L) Secondary Antibody (A15999) in WB**
Western blot was performed using Donkey anti-Goat IgG (H+L) Secondary Antibody, HRP (Product # A15999). Whole cell extracts of LnCaP (Lane 1, 2, 3, 4, 5), HeLa (Lane 6) and HaCaT (Lane 7) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP03222BOX). Resolved proteins were transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with CD10 Polyclonal Antibody (Product # PA5-47075) and GAPDH Loading Control Monoclonal Antibody (GA1R) (Product # MA5-15738). Secondary antibodies (Product # A15999, 1:20,000) and (Product # A28177, 1:10,000) were used for detection of CD10 and GAPDH respectively. Chemiluminescent detection was performed using iBright™ FL1500 (Product # A44115).




**Goat IgG (H+L) Secondary Antibody (A15999) in WB**
GAA suppressed the LPS-induced BV2 microglial cells proliferation and activation in vitro. a BV2 cells were cultured with different concentration of GAA for 24 h. b BV2 cells were stimulated with different concentration of LPS for 24 h. c BV2 cells were cultured with different concentration of GAA in the presence of 0.5 μg/ml LPS for 24 h. Cell proliferation was detected by CCK-8 assay. d Immunofluorescence images showing the BV2 microglial cells after LPS stimulation which was labeled with anti-Iba1 antibody, With GAA, the expression of Iba1 is decreased. Scale bar equals to 100 μm. e The protein levels of Iba1 were detected by Western blot. After normalization to the control, data were analyzed using one-way ANOVA followed by post hoc Turkey tests and were presented as Mean ± SEM for three independent experiments. (a-c *P < 0.05 LPS 0.5 μg/ml vs. CON, **P < 0.01 LPS 0.75 μg/ml vs. CON, #P < 0.05 LPS + GAA 50 μg/ml vs. LPS; Fig. 1e, **P < 0.01 LPS vs. CON; ##P < 0.01 LPS + GAA vs. LPS) Image collected and cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/33821438), licensed under a CC BY license.



**Goat IgG (H+L) Secondary Antibody (A15999) in WB**
Western blot was performed using Donkey anti-Goat IgG (H+L) Secondary Antibody, HRP (Product # A15999) and ~55 kDa band corresponding to Goat IgG Heavy Chain was observed in Goat IgG but not in Rabbit IgG, Sheep IgG, Chicken IgY, Rat IgG, Mouse IgG, Mouse IgM, Human IgG and Human IgM. Purified protein (100 ng) of Rabbit IgG (Lane 1), Goat IgG (Lane 2), Sheep IgG (Lane 3), Chicken IgY (Lane 4), Rat IgG (Lane 5), Mouse IgG (Lane 6) Mouse IgM (Lane 7) Human IgG (Lane 8) and Human IgM (Lane 9) (Fig a) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Donkey anti-Goat IgG (H+L) Secondary Antibody, HRP (Product # A15999, 1:5,000) and detected using the iBright™ FL1500 (Product # A44115). Silver staining was performed to establish equivalent loading of purified proteins using the Pierce™ Silver Stain Kit (Product # 24612) (Fig b).

## 67 References

The helicase domain of human Dicer prevents RNAi-independent activation of antiviral and inflammatory pathways. EMBO J (2024)

Poly(Oxanorbornene)-Protein Conjugates Prepared by Grafting-to ROMP as Alternatives for PEG. Macromol Biosci (2024)

Cryo-electron microscopy of IgM-VAR2CSA complex reveals IgM inhibits binding of Plasmodium falciparum to Chondroitin Sulfate A. Nat Commun (2023)

Galectin-1 Mediates Chronic STING Activation in Tumors to Promote Metastasis through MDSC Recruitment. Cancer Res (2023)

1,25-Dihydroxyvitamin D3 regulates furin-mediated FGF23 cleavage. JCI Insight (2023)