

HRP Conjugated Anti-mouse IgG for IP Nano-secondary antibody

NBI02H



Product Type:	Alpaca monoclonal IgG, nano secondary antibodies
Species reactivity:	Mouse
Applications:	WB

Description: Anti-mouse IgG Nano-secondary antibody for IP (HRP) is based on Monovalent, recombinant single domain antibodies to mouse IgG coupled to HRP, and the Anti-mouse IgG for IP Nano-secondary antibody (HRP) detects the non-reduced form of mouse IgG (IgG1, IgG2a, IgG2b, IgG3) selectively, no reactivity with the reduced, SDS-denatured forms. When performing immunoprecipitation (IP) followed by western blotting, the denatured mouse IgG light and heavy chains of the primary antibody used for IP run at approximately 25 and 50 kD, respectively, on the subsequent western blot and can often obscure bands of proteins that have similar molecular weights. Anti-mouse IgG for IP Nano-secondary antibody (HRP) detects the non-reduced form of mouse IgG, no reactivity with the reduced, SDS-denatured forms. When a protein was immunoprecipitated by an antibody derived from mouse, you can still use primary antibody derived from mouse to detect this protein. Using Anti-mouse IgG for IP Nano-secondary antibody (HRP) to detect the primary antibody, only native antibody can be staining, not denatured heavy and light chains.

Conjugate: HRP-conjugated

Immunogen: Mouse IgG

Recommended Dilutions:

WB 1:1,000-1:10,000

Storage Buffer: PBS PH=7.5, 10mg/ml BSA, 100mM trehalose, 50% glycerol.

Storage Instruction: Store at -20 °C, protect from light.

Purity: Recombinant Expression and Affinity purified, Dissociation constant KD of 0.1nM.

Hangzhou Huaan Biotechnology Co., Ltd.

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Technical:0086-571-89986345

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Images

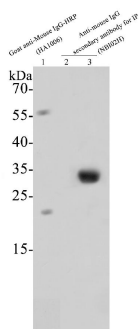


Fig1: Immunoprecipitating IgG and DYKDDDDK Tag (FLAG) (M1403-2) in recombinant protein with flag on N-terminal. 25ng of Immunoprecipitated protein incubated with primary antibody (1/1000) for over night at 4°C. For western blotting a IP Detection Reagent (NBI02H) (1/1000) was used to confirm successful immunoprecipitation.

Lane1/2: Immunoprecipitating IgG in recombinant protein with flag on N-terminal

Lane3: Immunoprecipitating DYKDDDDK Tag (FLAG) (M1403-2) in recombinant protein with flag on N-terminal

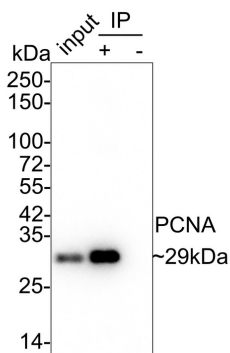


Fig2: PCNA was immunoprecipitated from 0.2 mg HeLa cell lysate with HA601172 at 2 µg/25 µl agarose. Western blot was performed from the immunoprecipitate using HA601172 at 1/10,000 dilution. Anti-Mouse IgG for IP Nano-secondary antibody (NBI02H) at 1/5,000 dilution was used for 1 hour at room temperature.

Lane 1: HeLa cell lysate (input)

Lane 2: HA601172 IP in HeLa cell lysate

Lane 3: Mouse IgG instead of HA601172 in HeLa cell lysate

Blocking/Dilution buffer: 5% NFDm/TBST

Exposure time: 24 seconds; ECL: K1801

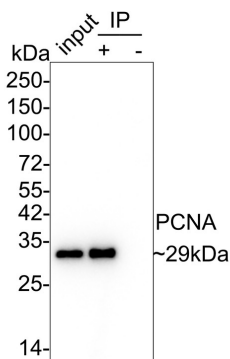


Fig3: PCNA was immunoprecipitated from 0.2 mg NIH/3T3 cell lysate with HA601172 at 2 µg/25 µl agarose. Western blot was performed from the immunoprecipitate using HA601172 at 1/10,000 dilution. Anti-Mouse IgG for IP Nano-secondary antibody (NBI02H) at 1/5,000 dilution was used for 1 hour at room temperature.

Lane 1: NIH/3T3 cell lysate (input)

Lane 2: HA601172 IP in NIH/3T3 cell lysate

Lane 3: Mouse IgG instead of HA601172 in NIH/3T3 cell lysate

Blocking/Dilution buffer: 5% NFDm/TBST

Exposure time: 5 seconds; ECL: K1802

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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