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

NBI02H

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

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 immunopreciptiation (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 protien was immunoprecipitated by an antibody derived from mouse, you can still use primary antibody derived from mouse to detect this protien. 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
IP	sample should be completely reduced/denatured before loaded onto a western blot.

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

Storage Instruction: Store at –20 ℃, protect from light.

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

Images

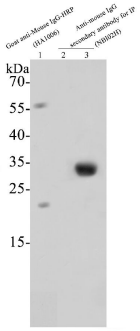

Fig1: Immunoprecipitating IgG and DYKDDDDK Tag (FLAG) (M1403-2) in recombinant protein with falg on N-terminal. 25ng of Immunoprecipitated protein incubated with primary antibody (1/1000) for over night at 4℃. For western blotting a IP Detection Reagent (NBI02H) (1/1000) was used to confirm successful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

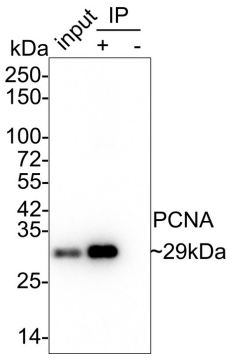

Fig2: PCNA was immunoprecipitated from 0.2 mg HeLa cell lysate with HA601172 at 2 µg/25 µl agarose. Western blot was performed from the immunoprecipitate using HA601172 at 1/10,000 dilution. Anti-Mouse IgG for IP Nano-secondary antibody (NBI02H) at 1/5,000 dilution was used for 1 hour at room temperature.

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

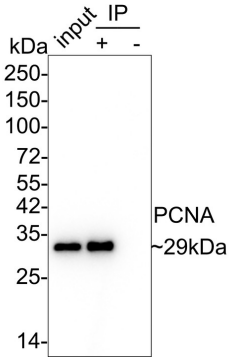

Fig3: PCNA was immunoprecipitated from 0.2 mg NIH/3T3 cell lysate with HA601172 at 2 µg/25 µl agarose. Western blot was performed from the immunoprecipitate using HA601172 at 1/10,000 dilution. Anti-Mouse IgG for IP Nano-secondary antibody (NBI02H) at 1/5,000 dilution was used for 1 hour at room temperature.

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