

Recombinant Mouse IgG1 protein [PSH04-91] - Isotype Control - BSA and Azide free

**HA610204**



**Product Type:** Recombinant Mouse monoclonal IgG1, primary antibodies  
**Applications:** WB, FC, IP, ChIP  
**Clone number:** PSH04-91

**Description:** Isotype control antibodies are used to estimate the nonspecific binding of target primary antibodies due to Fc receptor binding or other protein-protein interactions. An isotype control antibody should have the same immunoglobulin type and be used at the same concentration as the test antibody.

**Immunogen:** Small molecule.

**Recommended Dilutions:**

**WB** 1:1,000  
**FC** 1:1,000  
**IP** 1-2µg/sample  
**ChIP** Use 0.5~2 µg for 25 µg of chromatin.

**Storage Buffer:** 1\*PBS (pH7.4).

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

**Hangzhou Huaan Biotechnology Co., Ltd.**

Orders:0086-571-88062880

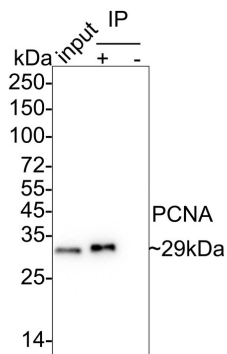
Technical:0086-571-89986345

Service mail:support@huabio.cn

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

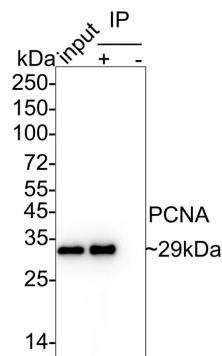
## Images



**Fig1:** PCNA was immunoprecipitated from 0.2 mg HeLa cell lysate with HA601172 at 2  $\mu\text{g}/10 \mu\text{l}$  beads. 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: Recombinant Mouse IgG1 (HA610204) instead of HA601172 in HeLa cell lysate

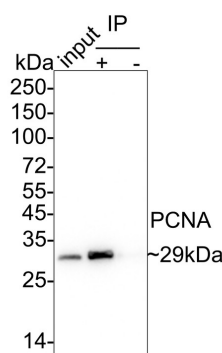
Blocking/Dilution buffer: 5% NFDm/TBST  
 Exposure time: 1 minute 59 seconds; ECL: K1801



**Fig2:** PCNA was immunoprecipitated from 0.2 mg NIH/3T3 cell lysate with HA601172 at 2  $\mu\text{g}/10 \mu\text{l}$  beads. 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: Recombinant Mouse IgG1 (HA610204) instead of HA601172 in NIH/3T3 cell lysate

Blocking/Dilution buffer: 5% NFDm/TBST  
 Exposure time: 5 seconds; ECL: K1802



**Fig3:** PCNA was immunoprecipitated from 0.2 mg PC-12 cell lysate with HA601172 at 2  $\mu\text{g}/10 \mu\text{l}$  beads. 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: PC-12 cell lysate (input)  
 Lane 2: HA601172 IP in PC-12 cell lysate  
 Lane 3: Recombinant Mouse IgG1 (HA610204) instead of HA601172 in PC-12 cell lysate

Blocking/Dilution buffer: 5% NFDm/TBST  
 Exposure time: 43 seconds; ECL: K1801

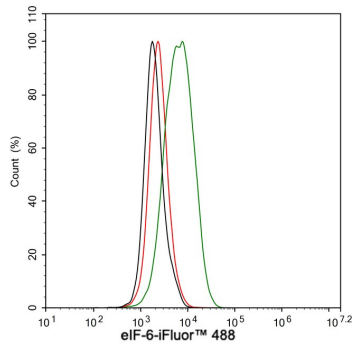
Hangzhou Huaan Biotechnology Co., Ltd.

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Technical:0086-571-89986345

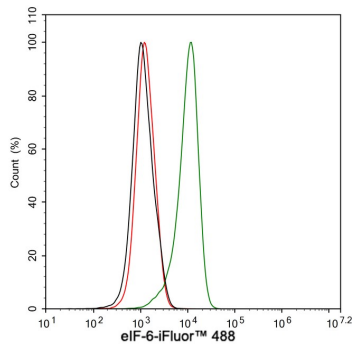
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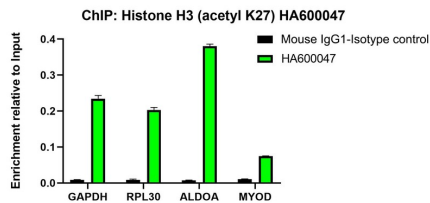
**Fig4:** Flow cytometric analysis of HeLa cells labeling eIF-6.

Cells were fixed and permeabilized. Then stained with the primary antibody (HA601293, 1µg/mL) (green) compared with Recombinant Mouse IgG1 (HA610204, 1µg/mL) (red). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Mouse IgG Secondary antibody (HA1125) at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).



**Fig5:** Flow cytometric analysis of C6 cells labeling eIF-6.

Cells were fixed and permeabilized. Then stained with the primary antibody (HA601293, 1µg/mL) (green) compared with Recombinant Mouse IgG1 (HA610204, 1µg/mL) (red). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Mouse IgG Secondary antibody (HA1125) at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).



**Fig6:** Chromatin immunoprecipitations were performed with cross-linked chromatin from HeLa cells treated with 500ng/mL TSA for 4 hours with Histone H3 (acetyl K27) (HA600047) or Recombinant Mouse IgG1 (HA610204) according to the ChIP protocol. The enriched DNA was quantified by real-time PCR using indicated primers. The amount of immunoprecipitated DNA in each sample is represented as signal relative to the total amount of input chromatin, which is equivalent to one.

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