

# Anti-V5 tag Antibody [SY30-01] - BSA and Azide free

## HA750086



**Product Type:** Recombinant Rabbit monoclonal IgG, primary antibodies

**Species reactivity:** Species independent

**Applications:** WB, IF-Cell, IP

**Clone number:** SY30-01

**Description:** The V5 epitope tag is derived from a small epitope (Pk) present on the P and V proteins of the paramyxovirus of simian virus 5 (SV5). The anti-V5 antibody detects recombinant proteins containing the 14 amino acid GKPIPNNPLLLGLDST sequence.

**Immunogen:** Synthetic peptide immune sequence is CGKPIPNNPLLLGLDST.

**Positive control:** V5 tagged recombinant protein.

**Recommended Dilutions:**

WB 1:20,000-1:50,000

IF-Cell 1:2,000

IP 1-2 $\mu$ g/sample

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

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

Hangzhou Huaan Biotechnology Co.,Ltd.

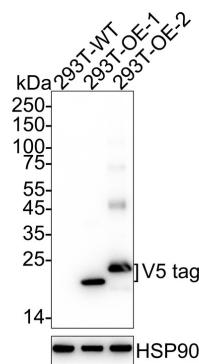
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## Images



**Fig1:** Western blot analysis of V5 tag on different lysates with Rabbit anti-V5 tag antibody (HA750086) at 1/20,000 dilution.

Lane 1: 293T cell lysate

Lane 2: 293T transfected with V5-tagged Histone H3.1 (N-terminal) cell lysate

Lane 3: 293T transfected with V5-tagged Nanos homolog 3 (C-terminal) cell lysate

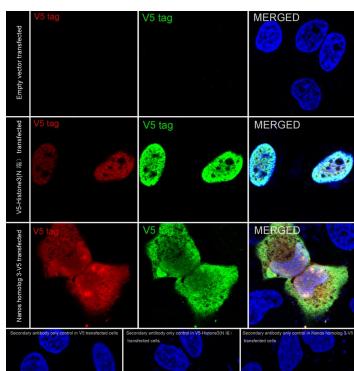
Lysates/proteins at 10 µg/Lane.

Exposure time: 2 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

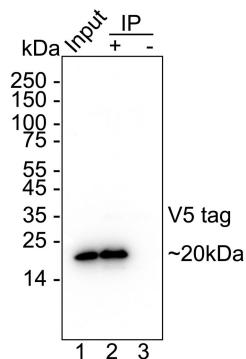
Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA750086) at 1/20,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

**Fig2:** Immunocytochemistry analysis of HeLa cells labeling V5 tag with Rabbit anti-V5 tag antibody (HA750086) at 1/2,000 dilution.



HeLa cells, transfected with V5-tagged empty control, Histone H3 (N-terminal) or Nanos homolog 3 (C-terminal) expression vector, respectively, were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-V5 tag antibody (HA750086) at 1/2,000 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488, HA1121) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

V5 tag (M1008-2, red) was stained at 1/1,000 dilution overnight at +4°C. Goat Anti-Mouse IgG H&L (iFluor™ 594, HA1126) was used as the secondary antibody at 1/1,000 dilution.



**Fig3:** V5 tag was immunoprecipitated from 0.2 mg 293T transfected with V5-tagged Histone H3.1 (N-terminal) cell lysate with HA750086 at 2  $\mu$ g/10  $\mu$ l beads. Western blot was performed from the immunoprecipitate using HA750086 at 1/10,000 dilution. Anti-Rabbit IgG for IP Nano-secondary antibody (NBI01H) at 1/5,000 dilution was used for 1 hour at room temperature.

Lane 1: 293T transfected with V5-tagged Histone H3.1 (N-terminal) cell lysate (input)  
 Lane 2: HA750086 IP in 293T transfected with V5-tagged Histone H3.1 (N-terminal) cell lysate  
 Lane 3: Rabbit IgG instead of HA750086 in 293T transfected with V5-tagged Histone H3.1 (N-terminal) cell lysate

Blocking/Dilution buffer: 5% NFDM/TBST

Exposure time: 2 seconds; ECL: K1801

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

### Background References

1. Tatenhorst L et al. Fasudil attenuates aggregation of a-synuclein in models of Parkinson's disease. *Acta Neuropathol Commun* 4:39 (2016).
2. Ji H et al. EGFR phosphorylates FAM129B to promote Ras activation. *Proc Natl Acad Sci U S A* 113:644-9 (2016).

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