

# Anti-HA tag Antibody

0906-1



**Product Type:** Rabbit polyclonal IgG, primary antibodies

**Species reactivity:** Species independent

**Applications:** WB, IP

**Description:** Human influenza hemagglutinin (HA) is a surface glycoprotein required for the infectivity of the human virus. The HA tag is derived from the HA molecule corresponding to amino acids 98-106. This antibody is used to detect proteins that are tagged with HA epitope (YPYDVPDYA) and are expressed in prokaryotic and eukaryotic cells.

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

**Positive control:** C-terminal HA-tagged recombinant protein, N-terminal HA-tagged recombinant protein.

**Recommended Dilutions:**

**WB** 1:2,000-1:10,000

**IP** 2-5 µg/ml.

**Storage Buffer:** 1\*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

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

**Purity:** Immunogen affinity purified.

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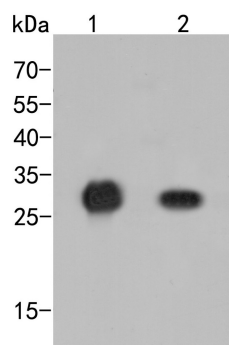
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## Images

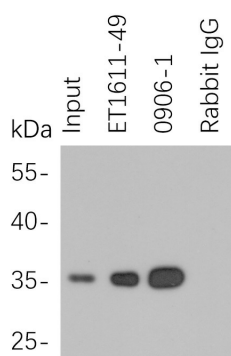


**Fig1:** Western blot analysis of HA tag on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (0906-1, 1/2,000) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature.

**Positive control:**

Lane 1: C-terminal HA-tagged recombinant protein

Lane 2: N-terminal HA-tagged recombinant protein



**Fig2:** HA tag was immunoprecipitated in 5 $\mu$ g C terminal HA Tag fusion protein lysate with 0906-1 at 2  $\mu$ g/20  $\mu$ l agarose. Western blot was performed from the immunoprecipitate using M1008-1 at 1/1000 dilution. Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1:20,000 dilution was used for 60 mins at room temperature.

Lane 1: HA Tag fusion protein lysate (input).

Lane 2: ET1611-49 IP in HA Tag fusion protein lysate.

Lane 3: 0906-1 IP in HA Tag fusion protein lysate.

Lane 4: Rabbit IgG instead of 0906-1 in HA Tag fusion protein lysate.

Blocking/Dilution buffer: 5% NFDM/TBST

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

## Background References

1. Cao, H., Yang, C., Quan, S., Hu, T., Zhang, L., Zhang, Y., Liu, Q. (2018). Novel T3SS effector EseK in *Edwardsiella piscicida* is chaperoned by EscH and EscS to express virulence. *Cell Microbiol*, 20(1). PMID: 29024267
2. Zhou, Y., Xiong, L., Zhang, Y., Yu, R., Jiang, X., & Xu, G. (2016). Quantitative proteomics identifies myoferlin as a novel regulator of A Disintegrin and Metalloproteinase 12 in HeLa cells. *J Proteomics*, 148, 94-104. PMID: 27432471
3. Wang, K., Jin, X., Chen, Y., Song, Z., Jiang, X., Hu, F., Topping, D. L. (2016). Polyphenol-Rich Propolis Extracts Strengthen Intestinal Barrier Function by Activating AMPK and ERK Signaling. *Nutrients*, 8(5). PMID: 27164138
4. Fu, G., Xu, Q., Qiu, Y., Jin, X., Xu, T., Dong, S., Lu, L. (2017). Suppression of Th17 cell differentiation by misshapen/NIK-related kinase MINK1. *J Exp Med*, 214(5), 1453-1469. PMID: 28400474
5. You, Q., Wu, Y., Yao, N., Shen, G., Zhang, Y., Xu, L., Ju, C. (2015). Interaction of AIM with insulin-like growth factor-binding protein-4. *Int J Mol Med*, 36(3), 833-838.

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