

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 1:5,000-1:10,000

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.

Hangzhou Huaan Biotechnology Co., Ltd.

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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

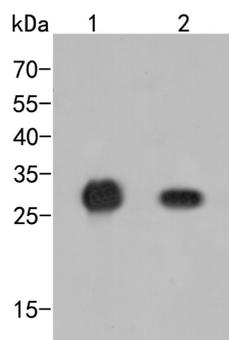


Fig1: Western blot analysis of HA tag on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (0906-1, 1/5,000) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 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

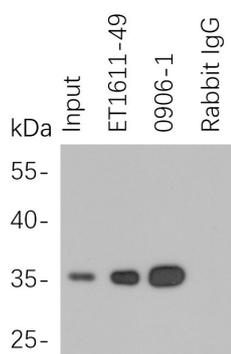


Fig2: HA tag was immunoprecipitated in 5 μ g C terminal HA Tag fusion protein lysate with 0906-1 at 2 μ g/20 μ l agarose. Western blot was performed from the immunoprecipitate using M1008-1 at 1/1000 dilution. Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1/20,000 dilution was used for 60 mins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