

HA-tag (4G3) monoclonal antibody

Catalog: AP0005M

Host: Mouse

Reactivity: All

BackGround:

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 has been extensively used as a general epitope tag in expression vectors. Many recombinant proteins have been engineered to express the HA tag, which does not appear to interfere with the bioactivity or the biodistribution of the recombinant protein. This tag facilitates the detection, isolation, and purification of the proteins.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

N/A

Swiss-Prot:

N/A

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000~1:5000

IF: 1:1000

IP: 1:100

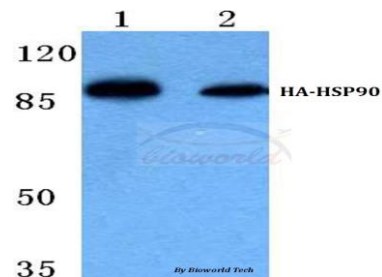
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

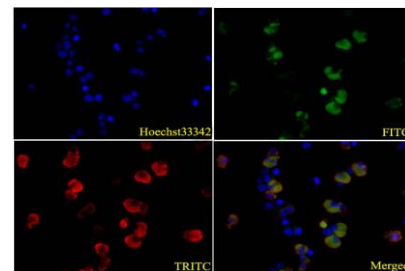
Specificity:

HA-tag (4G3) mAb detects over-expressed proteins containing the HA epitope tag.

DATA:



Western blot (WB) analysis of over-expressed HA-tagged protein in HEK293T cell lysate, the antibody dilutions are 1:1000 (lane 1) and 1:5000 (lane 2). Each lane was loaded with 10 µg of cell lysate.



IF image of AP0005M stained HEK293T cells, transfected with pcDNA3.1-HA-Flag-p62 #PPL00549-2b. The cells were 4% paraformaldehyde fixed (20 min) and then incubated in 10% normal goat serum for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody HA-tag (4G3) mAb #AP0005M(1:200) and the antibody Flag-tag pAb #AP0007(1:200) at 5 µg/ml overnight at +4 °C. The secondary antibody (Red) was Goat anti-Mouse IgG (H+L)-TRITC#BS11502 and the secondary antibody (Green) was Goat anti-Rabbit IgG (H+L)-FITC#BS10950 used at a 1/1000 dilution for 1h. Hoechst33342 #BD5011 was used to stain the cell nuclei (blue).

Note:

For research use only, not for use in diagnostic procedure.

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