

AP05576PU-N**Polyclonal Antibody to HA Epitope Tag (YPYDVPDYA) - Purified**

Quantity:	0.1 mg
Concentration:	0.5 mg/ml
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.
Host / Isotype:	Rabbit / IgG
Immunogen:	Keyhole limpet hemocyanin conjugated epitope tag peptide (114-122) from haemagglutinin influenza. A cysteine residue was used to facilitate coupling at the C-terminal end. AA Sequence: YPYDVPDYA
Format:	State: Liquid purified Ig fraction Buffer System: 0.02M Potassium phosphate, 0.15M Sodium chloride pH7.2, 0.01% Sodium Azide (NaN ₃)
Applications:	Immunohistochemistry on paraffin sections (Requires antigen retrieval using heat treatment prior to staining of paraffin embedded sections. Citrate buffer is recommended for this purpose). ELISA. Western blot. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific for the HA (Haemagglutinin) epitope tag peptide sequence YPYDVPDYA, when fused to either the amino- or carboxyl- terminus of target proteins, including expression in many frequently used expression vectors. The antibody has been tested against both the immunogen and recombinant proteins containing the HA sequence in ELISA and Western blotting. In Western blotting of bacterial extracts this antibody has been shown not to cross-react with any endogenous proteins.
Storage:	Store the antibody undiluted at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf life: one year from despatch.
General Readings:	1. Field J, Nikawa J, Broek D, MacDonald B, Rodgers L, Wilson IA, et al. Purification of a RAS-responsive adenyl cyclase complex from <i>Saccharomyces cerevisiae</i> by use of an epitope addition method. <i>Mol Cell Biol.</i> 1988 May;8(5):2159-65. PubMed PMID: 2455217.

2. Wilson IA, Niman HL, Houghten RA, Chersonson AR, Connolly ML, Lerner RA. The structure of an antigenic determinant in a protein. *Cell*. 1984 Jul;37(3):767-78. PubMed PMID: 6204768.