OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AP05575PU-N

HA Epitope Tag (YPYDVPDYA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	**ELISA.** **Western blot.** **Immunohistochemistry on Paraffin Sections:** Requires antigen retrieval using heat treatment prior to staining of paraffin embedded sections. Citrate buffer is recommended for this purpose.
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
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.
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.
Formulation:	PBS containing 0.09% Sodium Azide State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

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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.