

## Polyclonal Antibody to HA Epitope Tag (YPYDVPDYA) - Purified

**Catalog No.:** AP00533PU-N

**Quantity:** 0.5 mg

**Concentration:** 1.0 mg/ml

**Background:** A small segment of the viral hemagglutinin coat protein is widely used as an epitope tag to facilitate purification and functional analysis of proteins of interest. Epitope tags are short peptide sequences that are easily recognized by readily available tag-specific antibodies. Ligation of epitope-tag encoding DNA to cloned DNAs of interest produces epitope tagged fusion proteins that can then be subjected to antibody-dependent experimental procedures. Epitope tagging techniques are widely used in the purification, identification, and functional analysis of proteins. Expression vectors for producing tag fusion proteins in a variety of organisms (including bacteria, yeast, insect, and mammalian cells) are commercially available. Some of the more commonly used fusion tags include: cmyc, GFP, GST, HA, His, and MBP.

**Host:** Rabbit

**Immunogen:** Synthetic peptide (HA-tag)

**AA Sequence:**  
CYPYDVPDYASL

**Format:** **State:** Liquid purified IgG fraction  
**Purification:** Protein A chromatography  
**Buffer System:** 10 mM PBS, pH 7.4, with 0.2 % BSA & 0.09 % sodium azide.

**Applications:** Western Blotting (5-10 µg/ml for 2hrs at RT; Recommended positive control: Proteins displaying the YPYDVPDYA HA-tag).  
Immunoprecipitation (10 µg/mg protein lysate; Use Protein A).  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** Proteins displaying the YPYDVPDYA HA-tag.  
Cellular localization depends upon the localization of the parent protein tagged with the HA tag.

**Storage:** Store the antibody at 2 - 8 °C up to one month or in aliquots at -20 °C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.