

Product datasheet for **AP09230BT-N**

HA Epitope Tag (YPYDVPDYA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	ELISA: 1:15,000 - 1: 150,000. Immunohistochemistry on paraffin sections: 1:250. Immunoprecipitation: 1:250. Western blot: 1:10,000 (In western blotting of bacterial extracts the antibody does not cross-react with endogenous proteins).
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	9-aa epitope tag peptide YPYDVPDYA (11 114-122) from hemagglutinin influenza conjugated to KLH using maleimide
Specificity:	The antibody recognizes the HA epitope tag fused to the amino- terminus of targeted proteins as is expressed in many commonly used expression vectors. It is directed against the HA motif and is useful in determining its presence in various assays. Anti-HA tag antibody detects over-expressed proteins containing the HA epitope tag. To date this antibody has reacted with all HA tagged proteins so far tested. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin and anti-Rabbit Serum.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2; 10 mg/ml Bovine Serum Albumin (BSA) IgG and Protease free; 0.01% (w/v) Sodium Azide Label: Biotin State: Liquid sterile filtered Ig fraction Label: Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) Molar ratio: 10-20 BAC molecules per Rabbit IgG molecule
Reconstitution Method:	Restore with 0.1 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Biotin



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Storage: Store vial at 2-8 °C prior to restoration. Following restoration product can be stored undiluted at 2-8 °C for up to one month or (in aliquots) at -20 °C or below. For extended storage add glycerol to 50%.
Avoid repeated freezing and thawing. Centrifuge product if not completely clear after standing at room temperature.

Stability: Shelf life: One year from despatch.

Background: Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the tagged protein's biochemical properties. Most often sequences encoding the epitope tag are included with target DNA at the time of cloning to produce fusion proteins containing the epitope tag sequence. This allows anti-epitope tag antibodies to serve as universal detection reagents for any tag containing protein produced by recombinant means. This means that anti-epitope tag antibodies are a useful alternative to generating specific antibodies to identify, immunoprecipitate or immunoaffinity purify a recombinant protein. The anti-epitope tag antibody is usually functional in a variety of antibody-dependent experimental procedures.

Product images:



Anti-HA epitope tag polyclonal antibody detects HA tagged recombinant proteins by western blot. Polyclonal rabbit-anti-HA epitope tag at a 1:10,000 dilution was used to detect 1.0 g of recombinant transcription factor protein containing the HA epitope tag.