

Product datasheet for **AP09228PU-N**

Pk (V5) Epitope Tag (GKIPNPLLGLDST) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1:10,000 - 1:60,000. Western blot: 1:5,000 - 1:10,000. Immunohistochemistry: 1:500 - 1:3,000.
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide corresponding to aa 95-108 of the V protein conjugated to KLH using maleimide
Specificity:	<p>This affinity-purified antibody is directed against V5 motif and is useful in determining its presence in various assays. This polyclonal anti-V5-tag antibody detects over-expressed proteins containing the V5 epitope tag. To date this antibody has reacted with all V5 tagged proteins tested so far.</p> <p>The antibody recognizes the V5-epitope tag (GKIPNPLLGLDST) fused to either the carboxy-terminal end of targeted proteins in transfected or transformed cells. Although not yet tested, expect reactivity with recombinant proteins prepared with the V5-epitope tag fused to the amino terminal end as well.</p>
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide State: Aff - Purified State: Liquid sterile filtered Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or for longer (in aliquots) at -20 °C or below. Avoid repeated freezing and thawing. Should this product contain a precipitate we recommend microcentrifugation before use.
Stability:	Shelf life: one year from despatch.



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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.

Product images:


Anti-V5 EPITOPE TAG polyclonal antibody detects V5-tagged recombinant protein by western blot. This antibody was used at 1.0 g/ml to detect 0.05 g (lane 2) of full-length recombinant mouse serum albumin containing the V5 epitope tag at the carboxy end. Com