

AP31769PU-N**Polyclonal Antibody to DYKDDDDK Epitope Tag - Aff - Purified****Alternate names:**

D-tag, ECS Epitope Tag, ECS-tag, FLAG Epitope Tag, FLAG-tag

Quantity:

1 ml

Concentration:

0.1 mg/ml (based on absorbance at 280 nm)

Background:

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. Expression vectors producing epitope tag fusion proteins are available for a variety of host expression systems including bacteria, yeast, insect and mammalian cells.

Host / Isotype:

Chicken / Ig

Immunogen:

Synthetic peptide containing the DYKDDDDK epitope conjugated to Keyhole Limpet Hemocyanin (KLH).

Production: The first injection included complete Freund's adjuvant; subsequent injections included incomplete Freund's adjuvant. Eggs were collected after the fourth injection, and antibodies were purified from the yolks using a proprietary method that yields a purity of >90%. Antibodies were then affinity-purified over a peptide column and dialyzed against Phosphate-Buffered isotonic Saline. Sodium azide was added, the protein concentration was adjusted and the antibodies were filter-sterilized (0.2 µm).

Format:**State:** Liquid purified IgY fraction.**Purification:** Affinity Chromatography.**Buffer System:** PBS, pH 7.2 containing 0.02% (w/v) Sodium Azide as an anti-microbial agent.**Applications:****ELISA.****Western Blot.****Immunoprecipitation.****Immunocytochemistry.****Immunohistochemistry.****Recommended Dilutions:**

1/1000 for Western Blot.

1/500 for Immunohistochemistry

1/500 for Immunoprecipitation.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Anti-DYKDDDDK or FLAG epitope tag antibodies,

Quality Control: Antibodies were analyzed using ELISA and western blots using an N-terminal DYKDDDDK-tagged protein. Secondary antibodies used in these quality control assays was an HRP-labeled (1/5000 dilution) Goat anti-Chicken IgY antibodies.

Storage:

Store the antibody undiluted in the dark at 2-8°C.

Shelf life: one year from despatch.

Pictures: