

AP08111PU-S**Polyclonal Antibody to DYKDDDDK Epitope Tag - Aff - Purified****Alternate names:**

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

Quantity:

50 µg

Background:

Epitope tags provide a method to localize gene products in a variety of cell types, study the topology of proteins and protein complexes, identify associated proteins, and characterize newly identified, low abundance or poorly immunogenic proteins when protein specific antibodies are not available. Tagging with xxxDDDDK may be done at the N-terminus, N-terminus preceded by a methionine residue, C-terminus, and in internal positions of the target protein. The small size of the epitope tag and its high hydrophilicity tend to decrease the possibility of interference with protein expression, proteolytic maturation, antigenicity and function. The enterokinase cleavage site allows it to be completely removed from the purified fusion proteins.

Host:

Rabbit

Immunogen:

The antiserum was produced by immunizing Rabbit with synthesized peptide containing the Flag epitope (D-Y-K-D-D-D-K).

Format:

State: Liquid purified Ig fraction.

Purification: Immunoaffinity Chromatography using epitope-specific peptide.

Buffer System: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol.

Applications:

Western Blot (1/500-1/1000).

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

Specificity:

Flag-Tag Polyclonal Antibody AP08111PU detects Flag-tagged proteins overexpressed in cells.

The antibody recognizes the Flag-tag fused to either the amino- or carboxy- terminus of targeted proteins in transfected mammalian cells.

Species: All.

Other species not tested.

Storage:

Store the antibody (in aliquots) at -20°C.

Avoid repeated freezing and thawing.

Shelf life: One year from despatch.

General Readings:

1. Terpe K. et al. (2003) Appl Microbiol Biotechnol; 60(5):523-533.

2. Einhauer A, et al. (2001) J Biochem Biophys Methods; 49(1-3):455-465.

3. Brizzard, B.L. et al. (1994) Biotechniques; 16:730-735.

Pictures:

Figure 1. Western blot analysis of extract from 293 cells transfected with Flag-tagged Bad using Flag-Tag Polyclonal Antibody AP08111PU.

