

Polyclonal Antibody to DYKDDDDK Epitope Tag - Aff - Purified

Alternate names:	D-tag, ECS Epitope Tag, ECS-tag, FLAG Epitope Tag, FLAG-tag
Catalog No.:	SP5388P
Quantity:	0.2 mg
Concentration:	1.0 mg/ml
Background:	Epitope tagging is a powerful and versatile strategy for detecting and purifying proteins expressed by cloned genes. To utilize this feature, protein expression vectors are typically engineered with a nucleotide sequence that encodes the peptide epitope tag. The gene of interest is cloned in-frame relative to the tag and, upon expression, the protein of interest is synthesized as a fusion protein with the peptide tag. Fusion protein detection and/or purification is mediated by highly specific antibodies to the engineered peptide, thus eliminating the need for antibodies to proteins from each newly cloned gene. Commonly used epitope tags include glutathione-S-transferase (GST), c-myc, 6-histidine (6X-His), GFP, maltose binding protein (MBP) etc.
Host:	Rabbit
Immunogen:	Synthetic peptide: DYKDDDDK epitope tag sequence.
Format:	State: Liquid purified IgG fraction. Purification: Epitope Affinity Chromatography. Buffer System: PBS containing 1 mg/ml BSA as stabilizer and 0.05% Sodium Azide as preservative.
Applications:	Western blot: 1/500. Immunofluorescence: 1.0 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is useful for detecting the presence of fusion proteins containing the epitope tag sequence DYKDDDDK.
Storage:	Store the antibody undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. JBC Jun 2005 Manuscript M504087200 Am J Physiol Heart Circ Physiol 287, H652-H658, 2004 2. Mol. Biol. Cell, Vol 14: 3675-3689, Sept 2003 3. J. Biol. Chem., Vol 278: 30788 - 30795, Aug 2003 4. J. Virol., Vol 77: 10584 - 10593, Oct 2003 5. J. Biol. Chem., Vol 278: 41198 - 41204, Oct 2003 6. Mol. Cell. Biol. Vol. 25, No. 10 4046-4061 May 2005

7. JBC 277(23):20702-20710, 2002.
8. JBC 277(23):20750-20755, 2002.
9. J. Cell Science 117, 723-734 Feb 2004, doi: 10.1242/jcs.00878
10. JBC Vol 279, No 12, 47732-47739, Nov 2004
11. JBC 2005, manuscript number M503770200.

Pictures:

Figure 1. Western blot of recombinant protein containing the epitope tag sequence DYKDDDDK using SP5388P.

