

AP05002PU-N**Polyclonal Antibody to DYKDDDDK Epitope Tag - Purified**

Alternate names:	D-tag, ECS Epitope Tag, ECS-tag, FLAG Epitope Tag, FLAG-tag
Quantity:	50 µg
Concentration:	0.5 mg/ml
Host:	Rabbit
Immunogen:	Keyhole limpet haemocyanin conjugated Enterokinase cleavage site peptide DYKDDDDK. Residues of cysteine and glycine were used to facilitate coupling at the C-terminal end.
Format:	State: Liquid Ig fraction Purification: Affinity chromatography Buffer System: 0.02 M Potassium phosphate, 0.15 M Sodium chloride pH 7.2, 0.09 % Sodium Azide (NaN ₃)
Applications:	ELISA. Western blot. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	AP05002PU is specific for the hydrophilic epitope tagging octapeptide sequence DYKDDDDK (Asp-Tyr-Lys-Asp-Asp-Asp-Lys), when fused to either the amino- or carboxyl- terminus of target proteins. This antibody has been tested against both the immunogen and recombinant proteins containing the DYKDDDDK sequence in ELISA and Western blotting and shows greater binding affinity and sensitivity to fusion proteins containing the DYKDDDDK sequence than the clones M1, M2 and M5, in the majority of assays. In Western blotting of bacterial extracts this antibody has been shown not to cross-react with any endogenous proteins.
Storage:	Store the antibody at 2 - 8 °C or (in aliquots) at -20 °C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Hopp, T.P. et al. (1988) A short polypeptide marker sequence useful for recombinant protein identification and purification. <i>Bio/Technology</i> 6: 1204-1210. 2. Slootstra JW, Kuperus D, Plückthun A, Meloen RH. Identification of new tag sequences with differential and selective recognition properties for the anti-FLAG monoclonal antibodies M1, M2 and M5. <i>Mol Divers.</i> 1997;2(3):156-64. PubMed PMID: 9238646.