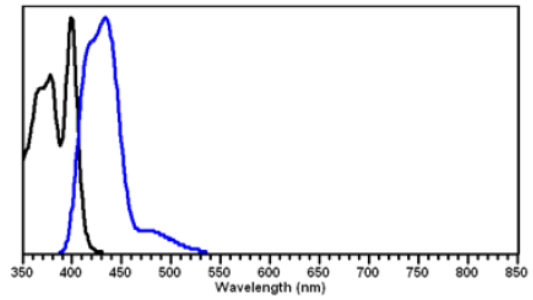


## Polyclonal Antibody to Pk (V5) Epitope Tag (GKPIPPLLGLDST) - DyLight405







<b>Alternate names:</b>	Pk-Tag, V5-Tag
<b>Catalog No.:</b>	AP09228DL4-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml (by UV absorbance at 280 nm)
<b>Host / Isotype:</b>	Rabbit / IgG
<b>Immunogen:</b>	Synthetic peptide corresponding aa 95-108 of the V protein conjugated to KLH using maleimide <b>AA Sequence:</b> G-K-P-I-P-N-P-L-L-G-L-D-S-T <b>Remarks:</b> Conjugation Chemistry: N-hydroxysuccinimide (NHS) ester
<b>Format:</b>	<b>State:</b> Lyophilized Ig fraction <b>Purification:</b> Immunoaffinity chromatography <b>Buffer System:</b> 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/ml BSA, IgG and Protease free, 0.01% (w/v) Sodium Azide <b>Label:</b> DyLight405 – DyLight(TM) 405 (MW 793) <i>Absorption / Emission:</i> 400 nm (in PBS) / 420 nm (in PBS) <i>Molar Ratio:</i> 2.0 moles DyLight(TM) 405 per mole of Rabbit IgG <b>Reconstitution:</b> Restore with 0.1 ml of deionized water (or equivalent).
<b>Applications:</b>	ELISA: > 1:10,000. Immunofluorescence: > 1:5,000. Western blot: > 1:20,000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody is directed against the V5 epitope tag and is useful in determining its presence in over expressed proteins in various assays. The antibody recognizes the V5 epitope tag (Gly-Lys-Pro-Ile-Pro-Asn-Pro-Leu-Leu-Gly-Leu-Asp-Ser-Thr) fused to either the amino- or carboxy- termini of targeted proteins in transfected or transformed cells.
<b>Storage:</b>	Store vial at 2-8 °C prior to restoration. Following restoration product can be stored undiluted at 2-8 °C for up to one month or (in aliquots) at -20 °C or below. Avoid repeated freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Shelf life: One year from despatch.

Pictures:

DyLight(TM) 405 Fluorescence absorption and emission spectra in PBS, pH 7.2



Properties of DyLight(TM) Fluorescent Dyes.

Emission	Color	DyLight™ Dye	Ex/Em (nm)	$\epsilon$ (M <sup>-1</sup> cm <sup>-1</sup> )	Similar Dyes
Blue		405	400/420	30,000	Alexa™ 405, Cascade Blue
Green		488	493/518	70,000	Alexa™ 488, Cy2®, FITC
Yellow		549	550/568	150,000	Alexa™ 546, Alexa 555, Cy3®, TRITC
Red		649	646/674	250,000	Alexa™ 647, Cy5®
Near Infrared		680	682/715	140,000	Alexa™ 680, Cy5.5®, IRDye™ 700
Infrared		800	770/794	270,000	IRDye™ 800