

AP09231BT-N**Polyclonal Antibody to VSV-g Epitope Tag (YTDIEMNRLGK) - Biotin**

Quantity:	0.1 mg
Concentration:	0.5 mg/ml (by UV absorbance at 280 nm)
Background:	Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the biochemical properties of the tagged protein. 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. Rockland Immunochemicals produces anti-epitope tag antibodies against many common epitope tags including Myc, GST, GFP, 6X His, MBP, FLAG and HA. VSV-G, or vesicular stomatitis virus glycoprotein, is found within the pseudo lentiviral cloning vector pHCMV-VSV-G.
Host / Isotype:	Rabbit / IgG
Immunogen:	Synthetic peptide corresponding amino acids near the carboxy terminal of vesicular stomatitis virus glycoprotein (VSV-G)
Format:	State: Lyophilized Ig fraction Purification: Purified from monospecific antiserum by immunoaffinity purification followed by biotin conjugation, subsequent purification and exhaustive dialysis against the buffer Buffer System: 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 Label: Biotin – Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) <i>Molar Ratio:</i> 10-20 BAC molecules per Rabbit IgG molecule Reconstitution: Restore with 0.2 ml of deionized water (or equivalent).
Applications:	ELISA: 1:3,000 - 1:12,000. Western blot: 1:500 - 1:2,000. Immunofluorescence: 1:200 - 1:1,000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is directed against VSV-G protein.

Storage:

Store vial at 2-8 ° C prior to restoration. Following restoration product can be stored undiluted at 2-8 ° for up to one month or (in aliquots) at -20 °C or below. For extended storage add glycerol to 50%.

Avoid repeated freezing and thawing. Centrifuge product if not completely clear after standing at room temperature.

Shelf life: One year from despatch.

General Readings:

(General) Beyer,W.R., Westphal,M., Ostertag,W. and von Laer,D. (2002)

Oncoretrovirus and lentivirus vectors pseudotyped with lymphocytic choriomeningitis virus glycoprotein: generation, concentration, and broad host range. J. Virol. 76 (3), 1488-1495.

(Conjugation) Bayer & Wilchek, Methods in Enzymology 184; 138-160, 1990.