

TAP-tag Antibody, pAb, Rabbit

Cat. No.: A00683-100

Size: 100 µg

Synonyms: Rabbit Anti-TAP-tag pAb; Anti-TAP-tag pAb

Description:

Well-characterized antibodies against short-sequence epitope tags are common in the study of protein expression in several different expression systems. The TAP (tandem affinity purification)-tag allows rapid purification of complexes from a relatively small number of cells even if the researcher does not have prior knowledge of the complexes composition, activity, or function. Combined with mass spectrometry, the TAP-tag strategy enables the identification of proteins interacting with a given target protein¹.

GenScript **Rabbit Anti-TAP-tag Polyclonal Antibody** is generated against the common tag, which is composed of a 21-residue peptide, CSSGALDYDIPTTASENLYFQ, derived from the C-terminus of the TAP-tag construct after TEV cleavage.

Immunogen: Peptide CSSGALDYDIPTTASENLYFQ conjugated to KLH

Host: Rabbit

Conjugation: Unconjugated

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Ig Subclass: Rabbit IgG

Specificity: Rabbit Anti-TAP-tag Polyclonal Antibody specifically reacts with fusion proteins containing TAP epitope

tag.

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.1-1.0 µg/ml

Western blot using ONE-HOUR Western™ Kit: For quick results, GenScript ONE-HOUR Western™ Kit L00204C is recommended. 10 µg of this antibody is mixed with 10 ml of WB solution for 8 cm x 8 cm membrane.

immunoprecipitation (IP): 2-10 µg/mg of lysate

Other applications: user-optimized

Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.