

DATASHEET

Version: 2016-08-17

Avi-tag Antibody, pAb, Rabbit

Cat. No.: A00674-40

Size: 40 µg

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

Description:

Well-characterized antibodies for epitope tags have been widely used in the study of protein expression in various systems.

The Avi tag is a biotin-acceptor peptide¹, GLNDIFEAQKIEWHE. The 15-residue peptide served as a substrate mimic for biotin ligase (BirA), which usually recognizes the much larger protein domain. GenScript **Rabbit Anti-Avi-tag Polyclonal Antibody** is developed in rabbit using a synthetic Avi tag peptide conjugated to KLH.

Immunogen: Avi tag peptide 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: This Antibody recognizes Avi tagged fusion proteins.

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.

Other applications: user-optimized

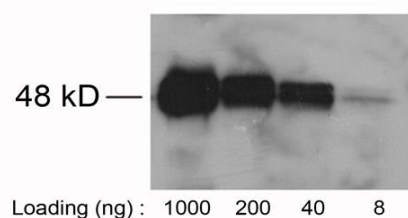
Reconstitution:

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

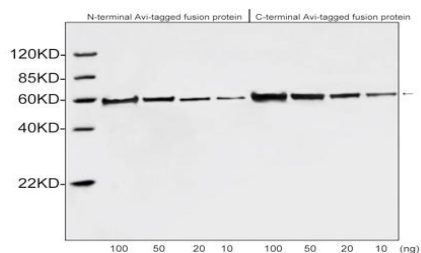
Storage:

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.

Example



Loading: Avi-tag fusion protein expressed in *E. coli* cell lysate
 Antibody: 1 µg/ml Rabbit Anti-Avi-tag Polyclonal Antibody (GenScript, A00674)
 The result was developed with One-Step Western™ Basic Kit (GenScript, L00204C)



Western blot analysis of Avi tagged fusion proteins expressed in *E. coli* cell lysate using Rabbit Anti-Avi-tag Polyclonal Antibody (GenScript, A00674, 1 μ g/ml) The signal was developed with IRDyeTM 800 Conjugated Goat Anti-Rabbit IgG.