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Datasheet for ABIN1573913

## anti-Avi-Tag antibody

2 Images

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### Overview

Quantity:	40 µg
Target:	Avi-Tag
Reactivity:	Please inquire
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Avi-Tag antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Sequence:	GLNDIFEAQKIEWHE
Isotype:	IgG
Specificity:	This Antibody recognizes C-terminal, N-terminal, and internal Avi tagged fusion proteins.
Purification:	Immunoaffinity chromatography

### Target Details

Target:	Avi-Tag
Abstract:	<a href="#">Avi-Tag Products</a>
Target Type:	Tag
Background:	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 peptide <sup>1</sup> , GLNDIFEAQKIEWHE.

## Target Details

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

## Application Details

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**Application Notes:** 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, ONE-HOUR Western™ Kit 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

**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Buffer:** PBS, pH 7.4, containing 0.02 % Sodium azide

**Preservative:** Sodium azide

**Precaution of Use:** WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

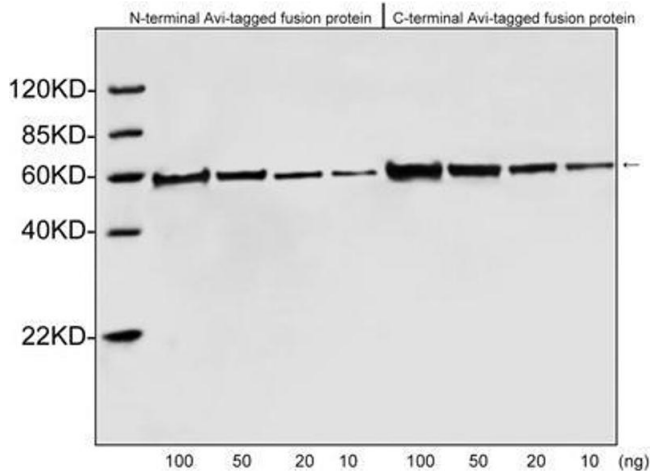
**Storage:** 4 °C/-20 °C

**Storage Comment:** 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.

Product cited in: Berkovits, Wolgemuth: "The first bromodomain of the testis-specific double bromodomain protein Brdt is required for chromocenter organization that is modulated by genetic background." in: **Developmental biology**, Vol. 360, Issue 2, pp. 358-68, (2011) ([PubMed](#)).

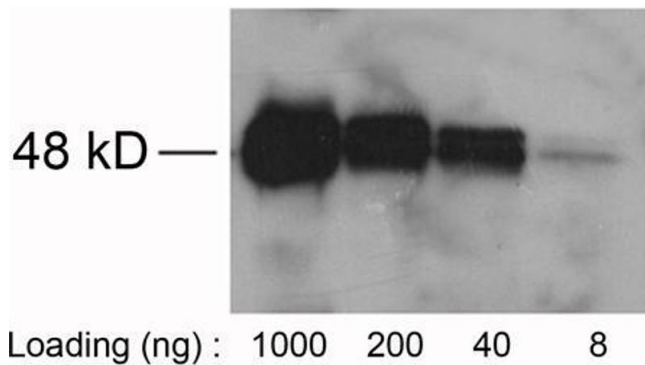
There are more publications referencing this product on: [Product page](#)

Images



Western Blotting

**Image 1.** Western blot analysis of Avi tagged fusion proteins expressed in E. coli cell lysate using Rabbit Anti-Avi-tag Polyclonal Antibody (ABIN398473, 1 µg/mL) The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.



Western Blotting

**Image 2.** Loading: Avi-tag fusion protein expressed in E. coli cell lysate Antibody: 1 µg/mL Rabbit Anti-Avi-tag Polyclonal Antibody (ABIN398473) The result was developed with One-Step Western™ Basic Kit (ABIN491509)