

Datasheet for ABIN1607759  
**anti-Ovalbumin antibody (Biotin)**



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2 Images

## Overview

Quantity:	100 µg
Target:	Ovalbumin (OVA)
Reactivity:	Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ovalbumin antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP), Dot Blot (DB)

## Product Details

Purpose:	Ovalbumin Antibody Biotin Conjugated
Immunogen:	Immunogen: Ovalbumin [Hen Egg White] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum as well as purified and partially purified Ovalbumin [Hen Egg White].
Characteristics:	Synonyms: rabbit anti-Ovalbumin Antibody biotin Conjugation, biotin conjugated rabbit anti-Ovalbumin antibody, Egg albumin antibody, Plakalbumin, Allergen Gal d II, Allergen=Gal d 2, Hen Egg White
Purification:	Anti-Ovalbumin Antibody Biotin Conjugated is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated

## Product Details

above.

Labeling Ratio: 10-20

## Target Details

Target: Ovalbumin (OVA)

Alternative Name: SERPINB14 ([OVA Products](#))

Background: Background: Ovalbumin Antibody Biotin Conjugated is specific for ovalbumin. Ovalbumin (abbreviated OVA) is the main protein found in egg white, making up 60-65 % of the total protein. Ovalbumin displays sequence and three-dimensional homology to the serpin superfamily. The function of ovalbumin is unknown, although it is presumed to be a storage protein or carrier protein.

Gene ID: 396058

UniProt: [P01012](#)

## Application Details

Application Notes: Application Note: Anti-Ovalbumin Antibody Biotin Conjugated is tested by ELISA, dot blot, and western blotting. In western blots anti-ovalbumin detects a single band of the expected apparent molecular weight. Researchers should determine optimal titers for applications that are not stated below.

Western Blot Dilution: 1:500 - 1:2,500

Immunoprecipitation Dilution: 1:100

ELISA Dilution: 1:1,000 - 1:5,000

Other: User Optimized

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 100 µL

Reconstitution Buffer: Restore with deionized water (or equivalent)

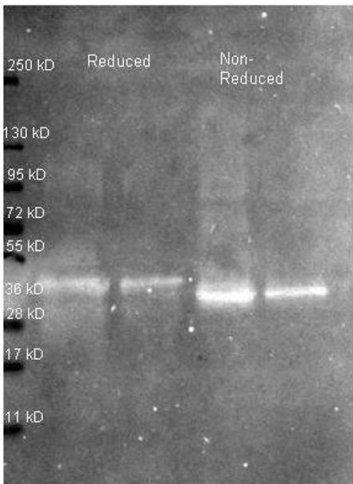
Concentration: 1 mg/mL

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

## Handling

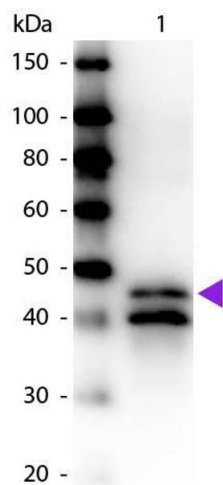
	Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

## Images



### Western Blotting

**Image 1.** Western Blot of Rabbit anti-Ovalbumin antibody. Lane 1: ~1 µg Ovalbumin protein reduced. Lane 2: 0.25 µg Ovalbumin protein reduced. Lane 3: ~1 µg Ovalbumin protein non-reduced. Lane 4: 0.25 µg Ovalbumin protein non-reduced. Primary antibody: Ovalbumin antibody at 1:5000 for overnight at 4°C. Secondary antibody: Atto 425 conjugated goat anti rabbit secondary antibody at 1:10,000 for 1.5 hr at RT. Block: ABIN925618 buffer overnight at 4°C. Predicted/Observed size: 42.9 kDa, ~36 kDa for ovalbumin. Other band(s): none.



Western Blotting

**Image 2.** Western blot of Biotin conjugated Rabbit Anti-Ovalbumin primary antibody. Lane 1: Ovalbumin. Lane 2: None. Load: 50 ng per lane. Primary antibody: Ovalbumin biotin conjugated primary antibody at 1:1,000 for 60 min at RT. Secondary antibody: Peroxidase streptavidin secondary antibody at 1:40,000 for 30 min at RT. Blocking: ABIN925618 for 30 min at RT. Predicted/Observed size: 45 kDa, 45 kDa for Ovalbumin. Other band(s): Ovalbumin splice variants and isoforms.