

Datasheet for ABIN5596793  
**anti-Streptavidin antibody (HRP)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	Streptavidin
Reactivity:	Streptomyces avidinii
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Streptavidin antibody is conjugated to HRP
Application:	ELISA

## Product Details

Immunogen:	Immunogen: Streptavidin [Streptomyces avidinii] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity occurs against avidin.
Purification:	Streptavidin Antibody Peroxidase Conjugate 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 above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Streptavidin [Streptomyces avidinii].

## Target Details

Target:	Streptavidin
Abstract:	<a href="#">Streptavidin Products</a>
Background:	<p>Synonyms: HRP, Streptavidin Peroxidase, Anti-Streptavidin HRP Antibody</p> <p>Background: Anti-streptavidin antibody detects Streptavidin, a 60 kDa protein purified from the bacterium <i>Streptomyces avidinii</i>. Streptavidin is a homo-tetrameric protein having a very high affinity for biotin (vitamin B7). Streptavidin bound biotin has a dissociation constant (Kd) on the order of about <math>10^{-14}</math> Mol/L. Streptavidin and biotin are used extensively in molecular biology and bionanotechnology due to the resistance of streptavidin-biotin complex to organic solvents, denaturants (e.g. guanidinium chloride), detergents (e.g. SDS, Triton), proteolytic enzymes, and extremes of temperature and pH .</p>

## Application Details

Application Notes:	<p>Application Note: This product has been assayed against 1.0 µg of Streptavidin in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) for 30 minutes at room temperature. Optimal concentrations in immunoassays should be determined by researcher.</p> <p>ELISA Dilution: 1:2,000-1:10,000</p>
Restrictions:	For Research Use only

## Handling

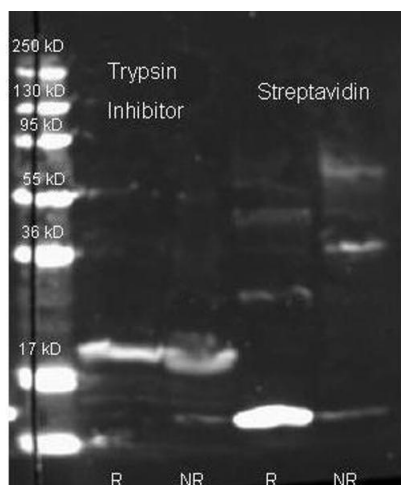
Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p>
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: 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

## Handling

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-Streptavidin antibody. Lane 1: trypsin inhibitor reduced. Lane 2: trypsin inhibitor non-reduced. Lane 3: Streptavidin reduced. Lane 4: Streptavidin non-reduced. Load: 1ug per lane. Primary antibody: primary antibody at 1:1000 for overnight at 4°C. Secondary antibody: Dylight 649 conjugated Donkey anti rabbit secondary antibody at 1:10,000 for 1.5 hours at RT. Block: ABIN925618 overnight at 4°C. Other band(s): none.