

Datasheet for ABIN398439
anti-Streptavidin antibody

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Overview

Quantity:	10 mg
Target:	Streptavidin
Reactivity:	Streptomyces avidinii
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Streptavidin antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	Purified recombinant streptavidin
Isotype:	IgG
Specificity:	Streptavidin Antibody is specific to streptavidin.
Purification:	Protein G chromatography

Target Details

Target:	Streptavidin
Abstract:	Streptavidin Products
Background:	Streptavidin is a tetrameric protein from Streptomyces avidinii that binds very tightly to the vitamin biotin with a Kd of almost equal to 10 ⁻¹⁴ mol/L. The high-affinity recognition of biotin and biotinylated molecules has made streptavidin one of the most important components in diagnostics and laboratory kits. Streptavidin Antibody is developed in rabbit using purified

Target Details

Streptavidin and highly purified from rabbit antiserum by protein G resin.

Application Details

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: 0.5-1 µg/mL Dot blot: 0.5-1 µg/mL Western blot: 0.5-1 µg/mL Other applications: user-optimized

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH7.4, 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.

Publications

Product cited in: Wang, Luo, Che, Li, Gao, Yang, Zhou, Gao, Wang, Liang, Zhang: "Placental protein 14 as a potential biomarker for diagnosis of preterm premature rupture of membranes." in: **Molecular medicine reports**, Vol. 18, Issue 1, pp. 113-122, (2018) ([PubMed](#)).

Zhang, Abudula, Awuti, Wang, Aihemaiti, Tusung, Sulaiman, Upur: "Plasma proteins as potential targets of abnormal Savda syndrome in asthma patients treated with unique Uighur prescription." in: **Experimental and therapeutic medicine**, Vol. 14, Issue 1, pp. 267-275, (2017) ([PubMed](#)).