Datasheet for ABIN7565740

anti-Avidin antibody (Biotin)

Go to Product page

Overview

Quantity:	100 µg
Target:	Avidin (AVD)
Reactivity:	Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Avidin antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	Avidin Antibody Biotin Conjugated
Immunogen:	Immunogen: Avidin (Hen Egg White) Immunogen Type: Native Protein
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 Avidin [Hen Egg White].
Characteristics:	Synonyms: rabbit anti-Avidin Antibody biotin Conjugation, Biotin conjugated rabbit anti-Avidin antibody, Avidin BAC, Anti-Avidin biotin Antibody, Egg White
Purification:	Anti-Avidin 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 above.

Target Details

Target:	Avidin (AVD)
Alternative Name:	AVIDIN (AVD Products)
Background:	Background: Avidin is a glycoprotein with a molecular weight of approximately 62.4 kDa. Avidin is a biotin binding protein that shows high sequence homology in birds, reptiles and amphibians. Hen egg white avidin is a tetrameric protein composed of four identical subunits, each with the ability to bind biotin with high affinity and specificity (Kd ~ 1015 M). In biotechnology, the functional consequence of tetrameric biotin binding is signal amplification. Biotin-avidin bridging is a great way to increase signal strength while maintaining specificity. The sequence of avidin only shows 30 % homology with streptavidin, and anti-avidin and anti-streptavidin antibodies are not immunologically cross reactive. Biotin is widely used throughout the biotechnology industry to conjugate proteins for biochemical assays. Biotin's small size typically does not affect the biological activity of protein upon biotinylation. Biotinylated proteins of interest can be enriched from a sample due to highly stable interactions.
UniProt:	P02701

Application Details

Application Notes:	Application Note: Anti-Avidin Antibody Biotin Conjugated has been tested by ELISA and western blot and is suitable for immunohistochemistry, immunomicroscopy as well as other antibody based assays using streptavidin or avidin conjugates requiring lot-to-lot consistency. Immunohistochemistry Dilution: 1:250 - 1,000 Western Blot Dilution: 1:500 - 1:2,500 ELISA Dilution: 1:2,000 - 1:10,000
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent) Reconstitution Volume: 100 µL
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide

Handling

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