

Datasheet for ABIN458654 **anti-Albumin antibody (HRP)**



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Overview

Quantity:	1 mL
Target:	Albumin (ALB)
Reactivity:	Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Albumin antibody is conjugated to HRP
Application:	ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified albumin isolated from pooled rat serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	Inter-species cross-reactivity is a normal feature of antibodies to mammalian serum proteins, since homologous proteins frequently share antigenic determinants. of this antiserum has been tested in double radial immunodiffusion against several species sera with the following results: bovine - chicken - dog + goat - guinea pig ++ horse + human + monkey + mouse ++ rabbit ± sheep - swine + A negative reaction in double radial immunodiffusion does not exclude a weak positive reaction in more sensitive techniques.
Characteristics:	Horseradish peroxidase-conjugated IgG fraction of polyclonal goat antiserum to rat albumin
Purification:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required to eliminate the antibody activity to any other component of the rat serum proteins. Hyperimmune antisera with

Product Details

strong precipitating activity are selected for fractionation by salt-precipitation and purification of the IgG fraction by DEAE-chromatography.

Target Details

Target:	Albumin (ALB)
Alternative Name:	Albumin (ALB Products)
Background:	Tested in immunoelectrophoresis and double radial immunodiffusion against pooled normal rat serum and purified rat albumin. One characteristic precipitin line is obtained against pooled normal rat serum using different antigen/antibody concentration ratio's. Precipitin lines against normal rat serum and purified rat albumin give a reaction of full identity
Pathways:	Lipid Metabolism

Application Details

Application Notes:	In enzyme-immunocytochemical and immunohistochemical staining for the detection of albumin, of appropriately treated cell and tissue substrates at the cellular and subcellular level. In non-isotopic assay methodology (e.g. ELISA) to identify and measure albumin in rat serum or other body fluid. In electron microscopy, since the complex between the conjugated antibody and the antigen also has electron-dense properties. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal. Working dilutions for histochemical and cytochemical use are usually between 1:100 and 1:500, in ELISA and comparable non-precipitating antibody-binding assays between 1:1,000 and 1:10,000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	IgG protein concentration 10 mg/ml. Enzyme/IgG protein molar ratio (E/P) is approximately 1.2. No foreign proteins added. Enzyme marker Horseradish peroxidase enriched for isoenzyme C (RZ = 3.2).
Buffer:	Peroxidase-coupled purified hyperimmune goat IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2).

Handling

Preservative:	Without preservative
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Storage:	4 °C/-20 °C
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Storage Comment:	The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C, prolonged storage at or below -20°C. It is reconstituted by adding 1 ml sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C. Prior to use, an aliquot is thawed slowly at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the immunoconjugate.
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