

Datasheet for ABIN458707
anti-Albumin antibody



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Overview

Quantity:	1 mL
Target:	Albumin (ALB)
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Albumin antibody is un-conjugated
Application:	ELISA, Immuno-electrophoresis (IEP), Immunodiffusion (ID), Radial Immunodiffusion (RID), Nephelometry (Neph)

Product Details

Immunogen:	Highly purified albumin isolated from rat serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	Cow - chicken - dog - goat - guinea pig ++ horse ± human ± mouse + monkey ± rabbit - sheep - swine ±
Characteristics:	Precipitating polyclonal rabbit antiserum to rat serum albumin
Purification:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.

Target Details

Target:	Albumin (ALB)
Alternative Name:	Serum Albumin (ALB Products)
Background:	The defined antibody specificity is directed to albumin as tested against rat sera. In immuno-electrophoresis and double radial immunodiffusion (Ouchterlony), using various antiserum concentrations against appropriate concentrations of the immunogen, a single characteristic precipitin line is obtained which shows a reaction of identity with the precipitin lines obtained against rat serum and the purified albumin
Pathways:	Lipid Metabolism

Application Details

Application Notes:	As precipitating antiserum to identify or measure rat albumin by a variety of immunodiffusion techniques, including immunoelectrophoresis, single and double radial immunodiffusion (Mancini, Ouchterlony) and electroimmunodiffusion (Laurell). It has not been tested for use in nephelometry, ELISA or immunochemistry, but this does not exclude such use if proper controls are included.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Total protein and IgG concentrations in the antiserum are comparable to those in pooled rabbit serum. No foreign proteins added. Antibody titre: Precipitin titre not less than 1:64 when tested against normal rat serum in agar block immunodiffusion titrations
Buffer:	Delipidated, heat inactivated, lyophilized, stable whole antiserum
Preservative:	Without preservative
Storage:	4 °C/-20 °C
Storage Comment:	The lyophilized antiserum is shipped at ambient temperature and may be stored at +4°C, prolonged storage at or below -20°C. Reconstitute the lyophilized antiserum by adding 1 ml sterile distilled water. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the antiserum. Diluted antiserum should be stored at +4°C, not refrozen, and preferably used the same day.

- Product cited in: Manogaran, Samardzija, Schad, Wicki, Walker-Egger, Rudin, Grimm, Schippling: "Retinal pathology in experimental optic neuritis is characterized by retrograde degeneration and gliosis." in: **Acta neuropathologica communications**, Vol. 7, Issue 1, pp. 116, (2019) ([PubMed](#)).
- Barben, Schori, Samardzija, Grimm: "Targeting Hif1a rescues cone degeneration and prevents subretinal neovascularization in a model of chronic hypoxia." in: **Molecular neurodegeneration**, Vol. 13, Issue 1, pp. 12, (2018) ([PubMed](#)).
- Geiger, Barben, Grimm, Samardzija: "Blue light-induced retinal lesions, intraretinal vascular leakage and edema formation in the all-cone mouse retina." in: **Cell death & disease**, Vol. 6, pp. e1985, (2016) ([PubMed](#)).
- Shen, Choy, Yoshida, Iwase, Hafiz, Xie, Hackett, Arron, Campochiaro: "Interleukin-18 has antipermeability and antiangiogenic activities in the eye: reciprocal suppression with VEGF." in: **Journal of cellular physiology**, Vol. 229, Issue 8, pp. 974-83, (2014) ([PubMed](#)).