

Datasheet for ABIN458164 **anti-SERPINA3 antibody**



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Overview

Quantity:	1 mL
Target:	SERPINA3
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This SERPINA3 antibody is un-conjugated
Application:	Immunoelectrophoresis (IEP)

Product Details

Immunogen:	Alpha-1 antichymotrypsin is a protease inhibitor with a molecular weight of 68.000. Its concentration in fetal human serum is low at birth, but the concentration increases rapidly to normal plasma levels of about is 4.5 µ g/ml. Alpha-1 antichymotrypsin is regulated like a an acute phase reactant. It has been isolated as a homogenous protein for use in the antiserum production. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	The antiserum does not cross-react with any other human plasma proteins as tested in gel-diffusion techniques. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins, since homologous proteins of different species frequently share antigenic determinants. of this antiserum has not been tested in detail.
Characteristics:	Precipitating polyclonal sheep antiserum to human alpha-1 antichymotrypsin
Purification:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate

Product Details

antibodies reacting with other human serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.

Target Details

Target:	SERPINA3
Alternative Name:	alpha-1 Antichymotrypsin (SERPINA3 Products)
Background:	The reactivity of the antiserum is restricted to alpha-1 antichymotrypsin. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against human plasma a single precipitin line is obtained and shows a reaction of full identity with the purified immunogen

Application Details

Application Notes:	In precipitating techniques as immunoelectrophoresis and single and double radial immunodiffusion (Mancini, Ouchterlony) to identify the presence of alpha-1 antichymotrypsin or to determine its concentration. The presence of non-precipitating antibodies has not been assayed. This does not exclude the use of the antiserum in non-precipitating antibody-binding techniques if proper controls are included.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Total protein and IgG concentration are comparable to those of pooled normal sheep serum. Antibody titre: Precipitin titre not less than 1:32 when tested against normal human plasma in agar-block immunodiffusion titration. No foreign proteins added.
Buffer:	Delipidated, heat inactivated, lyophilized, stable 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.