

Anti-Human Serum Albumin antibody ab19179

Overview

Product name	Anti-Human Serum Albumin antibody
Description	Goat polyclonal to Human Serum Albumin
Host species	Goat
Specificity	By immunoelectrophoresis, the antiserum reacts specifically with human albumin. No antibody was detected against other serum proteins.
Tested applications	Suitable for: Immunoelectrophoresis, Double Immunodiffusion
Species reactivity	Reacts with: Human
Immunogen	Full length protein corresponding to Human Human Serum Albumin. Serum albumin Database link: P02768
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	IgG fraction
Purification notes	The antiserum was fractionated and passed over DEAE to yield an IgG fraction.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab19179 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Immunoelectrophoresis		
Double Immunodiffusion		

Application notes

For use in precipitin gel reactions; such as immuno-electrophoresis (IEP) or double diffusion Oucetrlony.

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. Major zinc transporter in plasma, typically binds about 80% of all plasma zinc.

Tissue specificity

Plasma.

Involvement in disease

Defects in ALB are a cause of familial dysalbuminemic hyperthyroxinemia (FDH) [MIM:103600]. FDH is a form of euthyroid hyperthyroxinemia that is due to increased affinity of ALB for T(4). It is the most common cause of inherited euthyroid hyperthyroxinemia in Caucasian population.

Sequence similarities

Belongs to the ALB/AFP/VDB family.
Contains 3 albumin domains.

Post-translational modifications

Kenitra variant is partially O-glycosylated at Thr-620. It has two new disulfide bonds Cys-600 to Cys-602 and Cys-601 to Cys-606.
Glycated in diabetic patients.
Phosphorylation sites are present in the extracellular medium.
Acetylated on Lys-223 by acetylsalicylic acid.

Cellular localization

Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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