

Alkaline Phosphatase Anti-Human Serum Albumin antibody ab19181

1 References

Overview

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| Product name | Alkaline Phosphatase Anti-Human Serum Albumin antibody |
| Description | Alkaline Phosphatase Goat polyclonal to Human Serum Albumin |
| Host species | Goat |
| Conjugation | Alkaline Phosphatase |
| Specificity | By immunoelectrophoresis and ELISA this antibody reacts specifically with human albumin. |
| Tested applications | Suitable for: ELISA, ICC, WB |
| Species reactivity | Reacts with: Human |
| Immunogen | Full length protein corresponding to Human Human Serum Albumin. Serum albumin Database link: P02768 |
| General notes | <p>Molar enzyme:antibody protein ratio is 1:1.</p> <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

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| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 6.8 Preservative: 0.1% Sodium azide Constituents: 0.00136% Zinc chloride, 0.0095% Magnesium chloride, 1.19% HEPES, 0.58% Sodium chloride, 0.2% BSA |
| Purity | Immunogen affinity purified |
| Purification notes | The antibody was isolated by affinity chromatography using antigen coupled to agarose beads |

and conjugated to alkaline phosphatase (alkphos).

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| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab19181 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 |
|-------------|-----------|--|
| ELISA | | Use at an assay dependent concentration. |
| ICC | | Use at an assay dependent concentration. |
| WB | | Use at an assay dependent concentration. |

Target

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| 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. |

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