Anti-Human Serum Albumin antibody ab84348

Overview

**Product name**
Anti-Human Serum Albumin antibody

**Description**
Rabbit polyclonal to Human Serum Albumin

**Host species**
Rabbit

**Tested applications**
Suitable for: WB, IHC-P

**Species reactivity**
Reacts with: Human

Predicted to work with: Mouse, Rat, Guinea pig

**Immunogen**
Synthetic peptide: YGEMADCCAK QEPERNECFL QHKDDPNLP RLVRPEVDVM CTAFHDNEET, corresponding to N terminal amino acids 107 - 156 of Human Serum Albumin (NP_000468).

**Positive control**
293T cell lysate

Properties

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Storage buffer**
Preservative: 0.09% Sodium azide
Constituents: 2% Sucrose, PBS

**Purity**
Immunogen affinity purified

**Clonality**
Polyclonal

**Isotype**
IgG

Applications

Our Abpromise guarantee covers the use of ab84348 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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1 References 2 Images
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.

**Function**
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**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.

**Application**

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<td>WB</td>
<td>Use a concentration of 1 µg/ml. Detects a band of approximately 66 kDa (predicted molecular weight: 69 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.</td>
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<tr>
<td>IHC-P</td>
<td>Use a concentration of 5 µg/ml.</td>
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**Images**

Anti-Human Serum Albumin antibody (ab84348) at 1 µg/ml (in 5% skim milk / PBS buffer) + 293T cell lysate at 10 µg/ml

**Secondary**
HRP conjugated anti-Rabbit IgG at 1/50000 dilution

**Predicted band size**: 69 kDa
**Observed band size**: 66 kDa
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Human Serum Albumin antibody (ab84348)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling Human Serum Albumin with ab84348 at 5µg/ml.

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