**Product datasheet**

**Overview**

**Product name**: Anti-Albumin antibody  
**Description**: Chicken polyclonal to Albumin  
**Host species**: Chicken  
**Tested applications**: Suitable for: WB, IHC-P  
**Species reactivity**: Reacts with: Mouse, Human  
**Immunogen**: Synthetic peptide corresponding to Human Albumin (internal sequence). The immunogen is located within amino acids 340 - 390 of Albumin. Database link: P02768  
**Positive control**: Mouse liver lysate; Human liver tissue  
**General notes**: Antibodies should not be exposed to prolonged high temperatures.

**Properties**

**Form**: Liquid  
**Storage instructions**: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Please see notes section.  
**Storage buffer**: Preservative: 0.02% Sodium azide  
**Purity**: Immunogen affinity purified  
**Clonality**: Polyclonal  
**Isotype**: IgY

**Applications**

Our *Abpromise guarantee* covers the use of **ab106582** in the following tested applications.

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

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 69 kDa.</td>
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<tr>
<td>Application</td>
<td>Abreviews</td>
<td>Notes</td>
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<td>IHC-P</td>
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<td>Use a concentration of 2.5 - 20 µg/ml.</td>
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<td>IF</td>
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<td>Use a concentration of 20 µg/ml.</td>
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</tbody>
</table>

**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.

**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.

**Form**
There are 2 isoforms produced by alternative splicing.

**Images**

**Lane 1**: Anti-Albumin antibody (ab106582) at 1 µg/ml

**Lane 2**: Anti-Albumin antibody (ab106582) at 2 µg/ml

**All lanes**: Mouse liver tissue lysate

Lysates/proteins at 15 µg per lane.

**Predicted band size**: 69 kDa
Immunohistochemical analysis of paraffin embedded Human liver tissue section labelling Albumin with ab106582 at 2.5 µg/ml.

Immunohistochemical analysis of paraffin embedded Mouse liver tissue section labelling Albumin with ab106582 at 5 µg/ml.

Immunofluorescence analysis of paraffin embedded mouse liver tissue section labelling Albumin with ab106582 at 20 µg/mL.
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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