**Product datasheet**

**Anti-Transferrin antibody ab82411**

★★★★★ 6 Abreviews   28 References   3 Images

**Overview**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Transferrin antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit polyclonal to Transferrin</td>
</tr>
<tr>
<td>Host species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: WB</td>
</tr>
<tr>
<td>Species reactivity</td>
<td>Reacts with: Mouse, Rat, Guinea pig, Dog, Human</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Full length protein corresponding to Human Transferrin. Database link: P02787</td>
</tr>
</tbody>
</table>

**Properties**

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.</td>
</tr>
<tr>
<td>Storage buffer</td>
<td>Preservative: 0.09% Sodium azide</td>
</tr>
<tr>
<td></td>
<td>Constituents: PBS, 50% Glycerol</td>
</tr>
<tr>
<td>Purity</td>
<td>Protein A purified</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG</td>
</tr>
</tbody>
</table>

**Applications**

Our Abpromise guarantee covers the use of ab82411 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>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>★★★★★</td>
<td>1/10000. Predicted molecular weight: 77 kDa.</td>
</tr>
</tbody>
</table>

**Target**

**Function**

Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with
the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation.

**Tissue specificity**
Expressed by the liver and secreted in plasma.

**Involvement in disease**
Defects in TF are the cause of atransferrinemia (ATRAF) [MIM:209300]. Atransferrinemia is a rare autosomal recessive disorder characterized by iron overload and hypochromic anemia.

**Sequence similarities**
Belongs to the transferrin family.
Contains 2 transferrin-like domains.

**Cellular localization**
Secreted.

**Images**

Anti-Transferrin antibody (ab82411) at 1/10000 dilution + rat apotransferrin

Developed using the ECL technique.

**Predicted band size:** 77 kDa
**Observed band size:** 77 kDa

Immunocytochemistry/ Immunofluorescence analysis of mouse Hepatocytes labeling transferrin with ab82411 at 1/50 dilution. The cells were fixed with formaldehyde and permeabilised with 0.2% Triton X-100 in PBS. The blocking step was oncubation with 1% Donkey serum in PBST for 1 hour at 22°C. A donkey anti-rabbit Alexa Fluor® 594 at 1/200 was used as the secondary antibody. The nuclei were stained blue with DAPI.
Western blot – Anti-Transferrin antibody (ab82411)

This image is courtesy of an anonymous Abreview.

Anti-Transferrin antibody (ab82411) at 1/1000 dilution + Mouse pancreatic acinar cells at 30 µg with Milk, 12 hours, 4°C at 5 %

**Secondary**

Goat anti-rabbit IgG (HRP conjugated) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 77 kDa

**Exposure time:** 10 minutes

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

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