# Product datasheet

## Anti-EN2 antibody ab28731

<table>
<thead>
<tr>
<th>Overview</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
<td>Anti-EN2 antibody</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Rabbit polyclonal to EN2</td>
</tr>
<tr>
<td><strong>Host species</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td><strong>Tested applications</strong></td>
<td>Suitable for: ELISA, WB, IHC-P</td>
</tr>
<tr>
<td><strong>Species reactivity</strong></td>
<td>Reacts with: Human</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>Synthetic peptide within Human EN2 aa 284-333 (C terminal). The exact sequence is proprietary. Sequence: NESQKMFQNKRAKKATGKNTLAVHLMAQGLYNHSTTAKEGKSDSE</td>
</tr>
<tr>
<td><strong>Database link</strong></td>
<td>P19622</td>
</tr>
<tr>
<td><strong>Positive control</strong></td>
<td>WB: Fetal cerebellum lysate. IHC-P: Human kidney tissue.</td>
</tr>
</tbody>
</table>

## Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.</td>
</tr>
<tr>
<td><strong>Storage buffer</strong></td>
<td>Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Immunogen affinity purified</td>
</tr>
<tr>
<td><strong>Purification notes</strong></td>
<td>This antibody was purified by peptide affinity chromatography method.</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
</tr>
</tbody>
</table>

## Applications

Our Abpromise guarantee covers the use of ab28731 in the following tested applications.

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

#### Relevance
EN1 and EN2 encode homeodomain containing proteins and have been implicated in the control of pattern formation during development of the central nervous system. EN2 may play a role in susceptibility to autism spectrum disorders.

#### Cellular localization
Nuclear

### Images

**Western blot - Anti-EN2 antibody (ab28731)**

- **Application**
  - **ELISA**
    - Abreviews: 1/2500.
  - **WB**
    - Use a concentration of 0.05 µg/ml. Detects a band of approximately 34 kDa (predicted molecular weight: 34 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
    - **Notes**
      - Use a concentration of 4 - 8 µg/ml.
  - **IHC-P**
    - Use a concentration of 4 - 8 µg/ml.

**Predicted band size:** 34 kDa

**Observed band size:** 34,92 kDa

*why is the actual band size different from the predicted?*
Ab28731, at a dilution of 4.0-8.0 µg/ml, staining EN2 in paraffin embedded human kidney tissues by Immunohistochemistry. Cells with positive label: epithelial cells of renal tubule (indicated with arrows). Magnification: 400X.

Anti-EN2 antibody (ab28731) at 1/1000 dilution + Human renal tumor nuclear cell lysate at 30 µg

Secondary
Alkaline phosphate conjugated goat anti-rabbit polyclonal antibody

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 34 kDa
Observed band size: 34 kDa

Exposure time: 40 minutes

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

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