Product datasheet

Anti-Estrogen Related Receptor beta antibody ab19331

Overview

Product name: Anti-Estrogen Related Receptor beta antibody
Description: Rabbit polyclonal to Estrogen Related Receptor beta
Host species: Rabbit
Tested applications: Suitable for: IHC-Fr, WB, IP, ICC/IF
Species reactivity: Reacts with: Mouse, Rat
Immunogen: Synthetic peptide: DYELSQRHEEPRR, corresponding to amino acids 376-388 of Mouse Estrogen Related Receptor beta.
Positive control: rat kidney 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: 0.05% Sodium azide
Constituents: PBS, 0.1% BSA
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab19331 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>IHC-Fr</td>
<td>🌟🌟🌟🌟🌟</td>
<td>Use at an assay dependent concentration. PubMed: 18179891</td>
</tr>
</tbody>
</table>
## Target

<table>
<thead>
<tr>
<th>Function</th>
<th>Nuclear receptor, may regulate ESR1 transcriptional activity.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Involvement in disease</td>
<td>Defects in ESRRB are the cause of deafness autosomal recessive type 35 (DFNB35) [MIM:608565]. DFNB35 is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.</td>
</tr>
<tr>
<td>Sequence similarities</td>
<td>Belongs to the nuclear hormone receptor family. NR3 subfamily. Contains 1 nuclear receptor DNA-binding domain.</td>
</tr>
<tr>
<td>Cellular localization</td>
<td>Nucleus.</td>
</tr>
</tbody>
</table>

## Images

- **48 kDa**
  - Western blot detection of Estrogen Related Receptor beta from 100 ug of rat kidney lysate (1:500).
- **Western blot - Anti-Estrogen Related Receptor beta antibody (ab19331)**

## Application

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
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<tbody>
<tr>
<td>WB</td>
<td>Use a concentration of 2 µg/ml. Detects a band of approximately 48 kDa (predicted molecular weight: 48 kDa).</td>
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<tr>
<td>IP</td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>ICC/IF</td>
<td>1/50 - 1/200.</td>
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</tbody>
</table>
ab19331 staining Estrogen Related Receptor Beta protein on mouse embryonic stem cell by ICC/IF. The cells were fixed in 1:1 methanol:acetone and blocked in 0.1% BSA plus 1% serum, for 30 minutes at 21°C. The primary antibody was diluted 1/100 and incubated with the cells for 2 hours at 21°C. An Alexa Fluor® 488 conjugated goat anti-rabbit IgG, diluted 1/200, was used as the secondary antibody.

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