Product datasheet

Anti-Hsd17b11 antibody ab136109

Overview

Product name: Anti-Hsd17b11 antibody
Description: Rabbit polyclonal to Hsd17b11
Host species: Rabbit
Tested applications: Suitable for: WB
Species reactivity: Reacts with: Human
Predicted to work with: Mouse
Immunogen: Synthetic peptide within Human Hsd17b11 aa 58-107. The exact sequence is proprietary.
Positive control: RAW 264.7 cell lysate.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at -20°C.
Storage buffer: pH: 7.40
Preservative: 0.02% Sodium azide
 Constituents: 49% PBS, 50% Glycerol, 0.88% Sodium chloride
 Note: PBS is without Mg²⁺ and Ca²⁺.
Purity: Immunogen affinity purified
Purification notes: ab136109 was affinity-purified from rabbit antiserum by immunogenic peptide affinity-chromatography.
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab136109 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Function**
Can convert androstan-3-alpha,17-beta-diol (3-alpha-diol) to androsterone in vitro, suggesting that it may participate in androgen metabolism during steroidogenesis. May act by metabolizing compounds that stimulate steroid synthesis and/or by generating metabolites that inhibit it. Has no activity toward DHEA (dehydroepiandrosterone), or A-dione (4-androste-3,17-dione), and only a slight activity toward testosterone to A-dione. Tumor-associated antigen in cutaneous T-cell lymphoma.

**Tissue specificity**
Present at high level in steroidogenic cells such as syncytiotrophoblasts, sebaceous gland, Leydig cells, and granulosa cells of the dominant follicle and corpus luteum. In lung, it is detected in the ciliated epithelium and in acini of adult trachea, in bronchioles, but not in alveoli. In the eye, it is detected in the nonpigmented epithelium of the ciliary body and, at lower level, in the inner nuclear layer of the retina (at protein level). Widely expressed. Highly expressed in retina, pancreas, kidney, liver, lung, adrenal, small intestine, ovary and heart.

**Sequence similarities**
Belongs to the short-chain dehydrogenases/reductases (SDR) family. 17-beta-HSD 3 subfamily.

**Cellular localization**
Secreted.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>★★★★☆☆☆☆</td>
<td>1/500 - 1/1000. Predicted molecular weight: 33 kDa.</td>
</tr>
</tbody>
</table>

**Target**

**Function**
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**Images**

Western blot - Anti-Hsd17b11 antibody (ab136109) at 1/500 dilution + RAW 264.7 cell lysate at 30 µg

**Predicted band size:** 33 kDa

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

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- Response to your inquiry within 24 hours

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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