Product datasheet

Anti-HSD3B1 antibody ab65156

Overview

Product name: Anti-HSD3B1 antibody
Description: Rabbit polyclonal to HSD3B1
Host species: Rabbit
Tested applications: Suitable for: IHC-P, WB
Species reactivity: Reacts with: Mouse
Predicted to work with: Rat
Immunogen: Synthetic peptide (Mouse)

Properties

Form: Liquid
Storage buffer: Preservative: None
Constituents: Whole serum
Purity: Whole antiserum
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab65156 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-P</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>WB</td>
<td></td>
<td>1/1000 - 1/5000. Predicted molecular weight: 42 kDa.</td>
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</tbody>
</table>
**Function**
3-beta-HSD is a bifunctional enzyme, that catalyzes the oxidative conversion of Delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids. Efficiently catalyzes the transformation of pregnenolone to progesterone, 17-alpha-hydroxypregnenolone to 17-alpha-hydroxyprogesterone, DHEA to 4-androstenedione, dihydrotestosterone to 5-alpha-androstane-3 beta,17 beta-diol, dehydroepiandrosterone to androstenedione and 5-alpha-androstan-3 beta,17 beta-diol to 5-alpha-dihydrotestosterone.

**Tissue specificity**
Placenta and skin. Predominantly expressed in mammary gland tissue.

**Pathway**
Lipid metabolism; steroid biosynthesis.

**Sequence similarities**
Belongs to the 3-beta-HSD family.

**Cellular localization**

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