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  Constituent: 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>

Target
### 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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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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