


## Product datasheet

# Anti-SRD5A2 antibody [EPR6281(B)] ab124877

Recombinant **RabMAb**

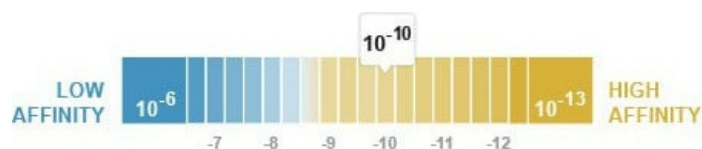
[3 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-SRD5A2 antibody [EPR6281(B)]
<b>Description</b>	Rabbit monoclonal [EPR6281(B)] to SRD5A2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	LnCaP, Human testis, and PC-3 cell lysates
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Dissociation constant (K<sub>D</sub>)</b>	K <sub>D</sub> = 3.55 x 10 <sup>-10</sup> M



[Learn more about K<sub>D</sub>](#)

<b>Storage buffer</b>	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR6281(B)
<b>Isotype</b>	IgG

**Applications**

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab124877 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 28 kDa (predicted molecular weight: 28 kDa).

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

**Target**

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**Function** Converts testosterone (T) into 5-alpha-dihydrotestosterone (DHT) and progesterone or corticosterone into their corresponding 5-alpha-3-oxosteroids. It plays a central role in sexual differentiation and androgen physiology.

**Tissue specificity** Expressed in high levels in the prostate and many other androgen-sensitive tissues.

**Involvement in disease** Defects in SRD5A2 are the cause of pseudovaginal perineoscrotal hypospadias (PPSH) [MIM:264600]. A form of male pseudohermaphroditism in which 46,XY males show ambiguous genitalia at birth, including perineal hypospadias and a blind perineal pouch, and develop masculinization at puberty. The name of the disorder stems from the finding of a blind-ending perineal opening resembling a vagina and a severely hypospadiac penis with the urethra opening onto the perineum.

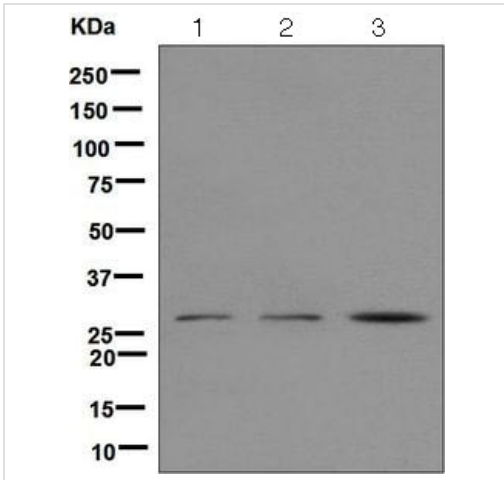
**Sequence similarities** Belongs to the steroid 5-alpha reductase family.

**Cellular localization** Microsome membrane. Endoplasmic reticulum membrane.

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**Images**

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Western blot - Anti-SRD5A2 antibody [EPR6281(B)] (ab124877)

**All lanes** : Anti-SRD5A2 antibody [EPR6281(B)] (ab124877) at 1/1000 dilution

**Lane 1** : LnCaP cell lysate

**Lane 2** : Human testis lysate

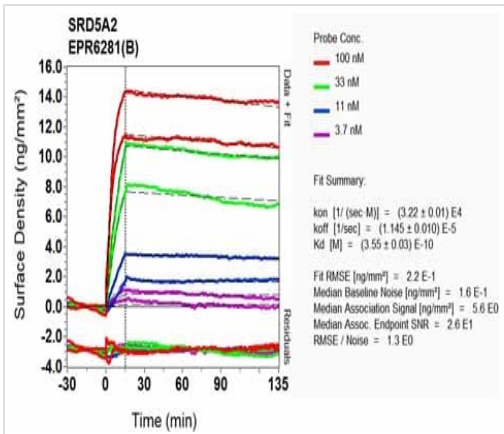
**Lane 3** : PC3 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes** : HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 28 kDa







OI-RD Scanning - Anti-SRD5A2 antibody [EPR6281(B)] (ab124877)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-SRD5A2 antibody [EPR6281(B)] (ab124877)

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

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