

Product datasheet

Anti-SRD5A2 antibody ab27469

★★★★★ [1 Abreviews](#) [5 References](#) [1 Image](#)

Overview

Product name	Anti-SRD5A2 antibody
Description	Goat polyclonal to SRD5A2
Host species	Goat
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide: QVQCQQSPVLAG , corresponding to N terminal amino acids 2-13 of Human SRD5A2 Run BLAST with Run BLAST with
Positive control	Human testes or prostate lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab27469 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		Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 26 kDa (predicted molecular weight: 28 kDa). 1 hour primary incubation is recommended for this product.

Target

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.

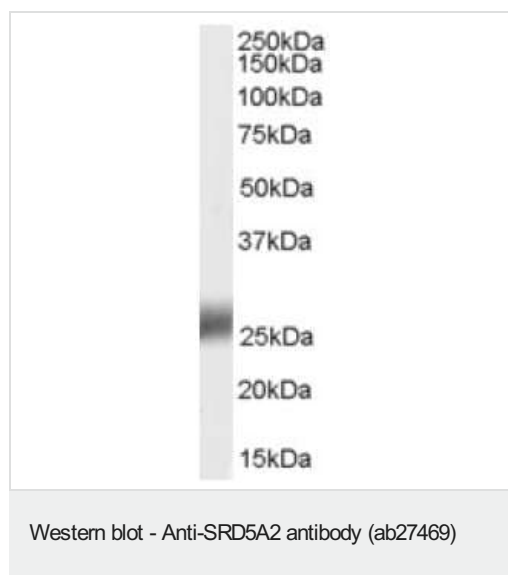
Sequence similarities

Belongs to the steroid 5-alpha reductase family.

Cellular localization

Microsome membrane. Endoplasmic reticulum membrane.

Images



Anti-SRD5A2 antibody (ab27469) at 0.3 µg/ml + Human testes lysate (35ug protein in RIPA buffer)

Predicted band size: 28 kDa

Observed band size: 26 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.

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

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