

Product datasheet

SRD5A2 peptide (2-13) ab45681

Overview

Product name SRD5A2 peptide (2-13)

Description

Nature Synthetic

Amino Acid Sequence

Species Human

Sequence QVQCQQSPVLG

Amino acids 2 to 13

Specifications

Our [Abpromise guarantee](#) covers the use of **ab45681** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Blocking - Blocking peptide for Anti-SRD5A2 antibody ([ab27469](#))

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

General Info

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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