

**HSD3B2 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18318b****Specification**

---

**HSD3B2 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P26439](#)**HSD3B2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 3284**Other Names**

3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 2, 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type II, 3-beta-HSD II, 3-beta-HSD adrenal and gonadal type, 3-beta-hydroxy-Delta(5)-steroid dehydrogenase, 3-beta-hydroxy-5-ene steroid dehydrogenase, Progesterone reductase, Steroid Delta-isomerase, Delta-5-3-ketosteroid isomerase, HSD3B2, HSDB3B

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**HSD3B2 Antibody (C-term) Blocking Peptide - Protein Information****Name** HSD3B2 ([HGNC:5218](#))**Synonyms** HSDB3B**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.

**Cellular Location**

Endoplasmic reticulum membrane; Single-pass membrane protein. Mitochondrion membrane; Single-pass membrane protein

**Tissue Location**

Expressed in adrenal gland, testis and ovary.

## **HSD3B2 Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **HSD3B2 Antibody (C-term) Blocking Peptide - Images**

## **HSD3B2 Antibody (C-term) Blocking Peptide - Background**

The protein encoded by this gene is a bifunctional enzyme that catalyzes the oxidative conversion of  $\Delta^5$ -ene-3 $\beta$ -hydroxy steroid, and the oxidative conversion of ketosteroids. It plays a crucial role in the biosynthesis of all classes of hormonal steroids. This gene is predominantly expressed in the adrenals and the gonads. Mutations in this gene are associated with 3 $\beta$ -hydroxysteroid dehydrogenase, type II, deficiency. Alternatively spliced transcript variants have been found for this gene.

## **HSD3B2 Antibody (C-term) Blocking Peptide - References**

Canzian, F., et al. Hum. Mol. Genet. 19(19):3873-3884(2010) Shimodaira, M., et al. Eur. J. Endocrinol. 163(4):671-680(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)