

HSD3B2 Antibody (N-term) Blocking Peptide

Synthetic peptide

Catalog # BP6761a

Specification

HSD3B2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P26439](#)

HSD3B2 Antibody (N-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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6761a](/products/AP6761a) was selected from the N-term region of human HSD3B2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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 (N-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 (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HSD3B2 Antibody (N-term) Blocking Peptide - Images**HSD3B2 Antibody (N-term) Blocking Peptide - Background**

HSD3B2 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.

HSD3B2 Antibody (N-term) Blocking Peptide - References

Ahn,J., et.al., Hum. Mol. Genet. 18 (19), 3749-3757 (2009)