

HSD17B3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9515c**Specification**

HSD17B3 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P37058](#)**HSD17B3 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 3293

Other Names

Testosterone 17-beta-dehydrogenase 3, 17-beta-hydroxysteroid dehydrogenase type 3, 17-beta-HSD 3, Testicular 17-beta-hydroxysteroid dehydrogenase, HSD17B3, EDH17B3

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.

HSD17B3 Antibody (Center) Blocking Peptide - Protein InformationName HSD17B3 ([HGNC:5212](#))

Synonyms EDH17B3, SDR12C2

Function

Catalyzes the conversion of 17-oxosteroids to 17beta- hydroxysteroids (PubMed:16216911, PubMed:26545797, PubMed:27927697, PubMed:8075637). Favors the reduction of androstenedione to testosterone (PubMed:16216911, PubMed:26545797, PubMed:27927697). Testosterone is the key androgen driving male development and function (PubMed:8075637). Uses NADPH while the two other EDH17B enzymes use NADH (PubMed:16216911, PubMed:26545797, PubMed:8075637). Androgens

such as epiandrosterone, dehydroepiandrosterone, androsterone and androstenedione are accepted as substrates and reduced at C-17 (PubMed:16216911). Can reduce 11-ketoandrostenedione as well as 11beta- hydroxyandrostenedione at C-17 to the respective testosterone forms (PubMed:16216911, PubMed:27927697).

Cellular Location

Endoplasmic reticulum

Tissue Location

Testis..

HSD17B3 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HSD17B3 Antibody (Center) Blocking Peptide - Images**HSD17B3 Antibody (Center) Blocking Peptide - Background**

This isoform of 17 beta-hydroxysteroid dehydrogenase is expressed predominantly in the testis and catalyzes the conversion of androstenedione to testosterone. It preferentially uses NADP as cofactor. Deficiency can result in male pseudohermaphroditism with gynecomastia.

HSD17B3 Antibody (Center) Blocking Peptide - References

Li, J., et al. Breast Cancer Res. 12 (2), R19 (2010) : Sata, F., et al. J Sex Med (2010) In press : Ahn, J., et al. Hum. Mol. Genet. 18(19):3749-3757(2009) Chakrabarti, B., et al. Autism Res 2(3):157-177(2009) Beuten, J., et al. Cancer Epidemiol. Biomarkers Prev. 18(6):1869-1880(2009) Andersson, S., et al. J. Clin. Endocrinol. Metab. 81(1):130-136(1996)