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HSD17B2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP5125c

Specification

HSD17B2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P37059

HSD17B2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 3294

Other Names
Estradiol 17-beta-dehydrogenase 2, 17-beta-hydroxysteroid dehydrogenase type 2, 17-beta-HSD 2, 20 alpha-hydroxysteroid dehydrogenase, 20-alpha-HSD, E2DH, Microsomal 17-beta-hydroxysteroid dehydrogenase, Testosterone 17-beta-dehydrogenase, HSD17B2, EDH17B2

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.

HSD17B2 Antibody (Center) Blocking Peptide - Protein Information

Name HSD17B2 (HGNC:5211)

Synonyms EDH17B2, SDR9C2

Function
Catalyzes the NAD-dependent oxidation of the highly active 17beta-hydroxysteroids, such as estradiol (E2), testosterone (T), and dihydrotestosterone (DHT), to their less active forms and thus regulates the biological potency of these steroids. Oxidizes estradiol to estrone, testosterone to androstenedione, and dihydrotestosterone to 5alpha-androstan-3,17-dione. Also has 20-alpha-HSD activity.

Cellular Location
Endoplasmic reticulum membrane; Single-pass type II membrane protein

Tissue Location
Expressed in placenta.

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HSD17B2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

HSD17B2 Antibody (Center) Blocking Peptide - Images

HSD17B2 Antibody (Center) Blocking Peptide - Background

HSD17B2 is capable of catalyzing the interconversion of testosterone and androstenedione, as well as estradiol and estrone.HSD17B2 also has 20-alpha-HSD activity. HSD17B2 uses NADH while EDH17B3 uses NADPH.

HSD17B2 Antibody (Center) Blocking Peptide - References

Shen, Z., et al. Endocrinology 150(11):4941-4949(2009)Bhavani, V., et al. Cancer Biomark 5(4):207-213(2009)Olsen, J.V., et al. Cell 127(3):635-648(2006)