

HSD17B11 Antibody (N-term) Blocking Peptide Synthetic peptide Catalog # BP9799a

Specification

HSD17B11 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession

<u> 08NBQ5</u>

HSD17B11 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 51170

Other Names

Estradiol 17-beta-dehydrogenase 11, 17-beta-hydroxysteroid dehydrogenase 11, 17-beta-HSD 11, 17bHSD11, 17betaHSD11, 17-beta-hydroxysteroid dehydrogenase XI, 17-beta-HSD XI, 17betaHSDXI, Cutaneous T-cell lymphoma-associated antigen HD-CL-03, CTCL-associated antigen HD-CL-03, Dehydrogenase/reductase SDR family member 8, Retinal short-chain dehydrogenase/reductase 2, retSDR2, HSD17B11, DHRS8, PAN1B

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.

HSD17B11 Antibody (N-term) Blocking Peptide - Protein Information

Name HSD17B11

Synonyms DHRS8, PAN1B, SDR16C2

Function

Can convert androstan-3-alpha,17-beta-diol (3-alpha-diol) to androsterone in vitro, suggesting that it may participate in androgen metabolism during steroidogenesis. May act by metabolizing compounds that stimulate steroid synthesis and/or by generating metabolites that inhibit it. Has no activity toward DHEA (dehydroepiandrosterone), or A- dione (4-androste-3,17-dione), and only a slight activity toward testosterone to A-dione. Tumor-associated antigen in cutaneous T-cell lymphoma.

Cellular Location

Endoplasmic reticulum {ECO:0000250|UniProtKB:Q9EQ06}. Lipid droplet {ECO:0000250|UniProtKB:Q9EQ06}. Note=Redistributed from the endoplasmic reticulum to lipids droplets in the cell upon induction of lipids droplet formation. {ECO:0000250|UniProtKB:Q9EQ06}



Tissue Location

Present at high level in steroidogenic cells such as syncytiotrophoblasts, sebaceous gland, Leydig cells, and granulosa cells of the dominant follicle and corpus luteum. In lung, it is detected in the ciliated epithelium and in acini of adult trachea, in bronchioles, but not in alveoli. In the eye, it is detected in the nonpigmented epithelium of the ciliary body and, at lower level, in the inner nuclear layer of the retina (at protein level). Widely expressed Highly expressed in retina, pancreas, kidney, liver, lung, adrenal, small intestine, ovary and heart.

HSD17B11 Antibody (N-term) Blocking Peptide - Protocols

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

<u>Blocking Peptides</u>

HSD17B11 Antibody (N-term) Blocking Peptide - Images

HSD17B11 Antibody (N-term) Blocking Peptide - Background

Short-chain alcohol dehydrogenases, such as HSD17B11, metabolize secondary alcohols and ketones.

HSD17B11 Antibody (N-term) Blocking Peptide - References

Persson, B., et al. Chem. Biol. Interact. 178 (1-3), 94-98 (2009) Nakamura, Y., et al. Neoplasma 56(4):317-320(2009)Horiguchi, Y., et al. Arch. Biochem. Biophys. 479(2):121-130(2008)Hartmann, T.B., et al. Br. J. Dermatol. 150(2):252-258(2004)Chai, Z., et al. Endocrinology 144(5):2084-2091(2003)