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PSDR1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6666a

Specification

PSDR1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q8TC12

PSDR1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 51109

Other Names
Retinol dehydrogenase 11, Androgen-regulated short-chain dehydrogenase/reductase 1, HCV core-binding protein HCBP12, Prostate short-chain dehydrogenase/reductase 1, Retinal reductase 1, RalR1, RDH11, ARSDR1, PSDR1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6666a was selected from the N-term region of human PSDR1. 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.

PSDR1 Antibody (N-term) Blocking Peptide - Protein Information

Name RDH11

Synonyms ARSDR1, PSDR1, SDR7C1

Function
Retinol dehydrogenase with a clear preference for NADP. Displays high activity towards 9-cis, 11-cis and all-trans-retinol, and to a lesser extent on 13-cis-retinol (PubMed:12036956, PubMed:12226107, PubMed:29410696). Exhibits a low reductive activity towards unsaturated medium-chain aldehydes such as cis -6-nonenal and no activity toward nonanal or 4-hydroxy-nonenal (PubMed:15865448). Has no

dehydrogenase activity towards steroid (PubMed:12036956, PubMed:12226107).

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

Tissue Location
Predominantly expressed in the epithelial cells of prostate, in both basal and luminal secretory cell populations Expressed at low levels in spleen, thymus, testis, ovary, small intestine, colon, peripherical blood leukocytes, kidney, adrenal gland and fetal liver. Not detected in prostatic fibromuscular stromal cells, endothelial cells, or infiltrating lymphocytes

PSDR1 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

PSDR1 Antibody (N-term) Blocking Peptide - Images

PSDR1 Antibody (N-term) Blocking Peptide - Background

RHD11, a member of the short-chain dehydrogenase/reductase (SDR) superfamily of oxidoreductases, is expressed at high levels in prostate epithelium, and its expression is regulated by androgens.

PSDR1 Antibody (N-term) Blocking Peptide - References

Persson,B., Chem. Biol. Interact. 178 (1-3), 94-98 (2009)Belyaeva,O.V., Biochemistry 42 (50), 14838-14845 (2003)