

SRD5A1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22197c

Product Information

Application	WB, E
Primary Accession	P18405
Other Accession	Q28891
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB55221
Calculated MW	29459

Additional Information

Gene ID	6715
Other Names	3-oxo-5-alpha-steroid 4-dehydrogenase 1, 1.3.1.22, SR type 1, Steroid 5-alpha-reductase 1, S5AR 1, SRD5A1
Target/Specificity	This SRD5A1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 153-184 amino acids from the Central region of human SRD5A1.
Dilution	WB~~1:8000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SRD5A1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SRD5A1 (HGNC:11284)
Function	Converts testosterone into 5-alpha-dihydrotestosterone and progesterone or corticosterone into their corresponding 5-alpha-3- oxosteroids. It plays a central role in sexual differentiation and androgen physiology.

Cellular Location	Microsome membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein
Tissue Location	Liver and prostate (at a low level).

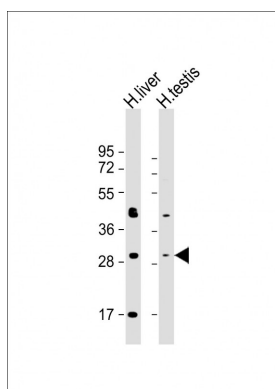
Background

Converts testosterone into 5-alpha-dihydrotestosterone and progesterone or corticosterone into their corresponding 5- alpha-3-oxosteroids. It plays a central role in sexual differentiation and androgen physiology.

References

Andersson S.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:3640-3644(1990).
Jenkins E.P.,et al.Genomics 11:1102-1112(1991).
Yu W.,et al.Submitted (MAR-1998) to the EMBL/GenBank/DDBJ databases.
Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

Images



All lanes : Anti-SRD5A1 Antibody (Center) at 1:8000 dilution
Lane 1: human liver lysate
Lane 2: human testis lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 29 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.