

SRD5A2 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12399

Product Information

Application	WB, IHC
Primary Accession	Q28892
Other Accession	NM_000348 , NP_000339
Reactivity	Human, Rabbit, Pig
Predicted	Human, Rabbit, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28504

Additional Information

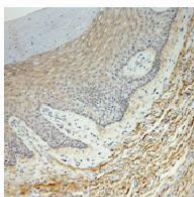
Alias Symbol	MGC138457
Other Names	3-oxo-5-alpha-steroid 4-dehydrogenase 2, 1.3.1.22, 5 alpha-SR2, SR type 2, Steroid 5-alpha-reductase 2, S5AR 2, SRD5A2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-SRD5A2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	SRD5A2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SRD5A2
Function	Catalyzes the irreversible stereospecific reduction of the delta 4,5 bond (double bond between carbons 4 and 5) of various 3-oxo steroids (3-keto steroids) producing their 5alpha dihydro-3-oxo forms. Converts testosterone into 5-alpha-dihydrotestosterone (DHT), the most active androgen in the prostate, as it is the preferred ligand for androgen receptor (AR) transactivation, making this reaction a key step in male sexual differentiation during development. Besides testosterone, it can also act on other steroids, including progesterone, producing metabolites with diverse roles. Hence, 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

Images

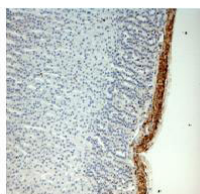
SRD5A2



Brown: SRD5A2
Blue: Nucleus

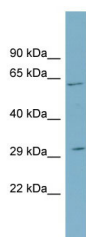
Sample Type : Monkey vagina
Primary Antibody Dilution : 1:25
Secondary Antibody: Anti-rabbit-HRP
Secondary Antibody Dilution: 1:1000 Color/Signal
Descriptions: Brown: SRD5A2 Blue: Nucleus Gene Name:
SRD5A2
Submitted by: Jonathan Bertin, Endoceutics Inc.

SRD5A2



Brown: SRD5A2
Blue: Nucleus

Sample Type : Monkey adrenal gland
Primary Antibody Dilution : 1:25
Secondary Antibody: Anti-rabbit-HRP
Secondary Antibody Dilution: 1:1000 Color/Signal
Descriptions: Brown: SRD5A2 Blue: Nucleus Gene Name:
SRD5A2
Submitted by: Jonathan Bertin, Endoceutics Inc.



WB Suggested Anti-SRD5A2 Antibody Titration: 0.2-1
 $\mu\text{g/ml}$
Positive Control: THP-1 cell lysate

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