

For Research Use Only

# SRD5A1 Polyclonal antibody

Catalog Number: 26001-1-AP

8 Publications



## Basic Information

### Catalog Number:

26001-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG23351

### GenBank Accession Number:

BC007033

### GeneID (NCBI):

6715

### UNIPROT ID:

P18405

### Full Name:

steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)

### Observed MW:

29 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: mouse testis tissue, DU 145 cells

IHC: human colon cancer tissue, human prostate cancer tissue, human testis tissue

## Background Information

Steroid 5-alpha-reductase (SRD5A1) catalyzes the conversion of 17β-Hydroxyandrost-4-en-3-one into the more potent androgen, DHT. SRD5A1 is a minor component of the reductase activity in prostate although the gene was originally cloned from prostate. On the other hand, SRD5A1 appears to be the predominant isozyme of steroid 5-alpha-reductase in the scalp and elsewhere in the skin.

## Notable Publications

Author	Pubmed ID	Journal	Application
Qi Wang	35697131	J Steroid Biochem Mol Biol	WB
Jiakuan Liu	31873149	Sci Rep	WB
Tian Fang	33341427	J Integr Med	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

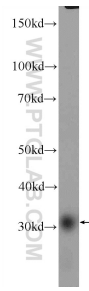
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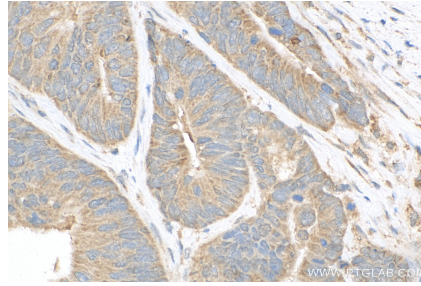
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## Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 26001-1-AP (SRD5A1 Antibody) at dilution of 1:1000 incubated at 4 degree celsius over night.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 26001-1-AP (SRD5A1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).