

For Research Use Only

# SRD5A1 Monoclonal antibody

Catalog Number: 66329-1-Ig

Featured Product

6 Publications



## Basic Information

<b>Catalog Number:</b> 66329-1-Ig	<b>GenBank Accession Number:</b> BC007033	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1200 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6715	<b>CloneNo.:</b> 1D5D8
<b>Source:</b> Mouse	<b>Full Name:</b> steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Observed MW:</b> 32 kDa	
<b>Immunogen Catalog Number:</b> AG23351		

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IHC, WB	<b>WB :</b> human testis tissue,
<b>Species Specificity:</b> human	<b>IHC :</b> human liver tissue,
<b>Cited Species:</b> human, mouse	<b>IF :</b> HeLa cells, HEPG2 cells

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

## Background Information

Steroid 5-alpha-reductase (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
Renjie Dou	33627630	Cell Death Dis	WB
Hisamitsu Ide	29369461	Cancer Sci	WB
Akinori Nakayama	33910821	In Vivo	WB

## Storage

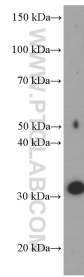
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

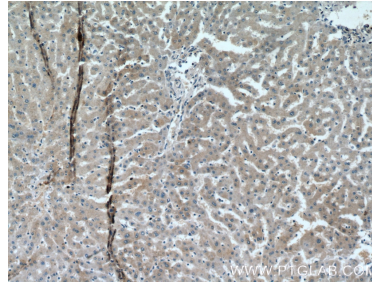
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

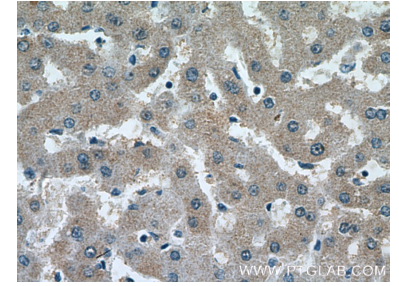
## Selected Validation Data



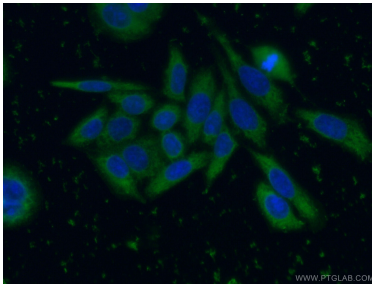
human testis tissue were subjected to SDS PAGE followed by western blot with 66329-1-Ig (SRD5A1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



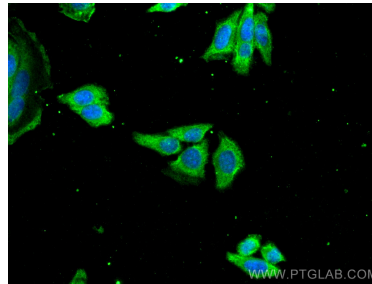
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66329-1-Ig (SRD5A1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66329-1-Ig (SRD5A1 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 66329-1-Ig(SRD5A1 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed HEPG2 cells using SRD5A1 antibody (66329-1-Ig, Clone: 1D5D8) at dilution of 1:800 and Coralite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).