

For Research Use Only

SRD5A1 Polyclonal antibody

Catalog Number: 26001-1-AP

8 Publications



Basic Information

Catalog Number:

26001-1-AP

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 17 β -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

For technical support and original validation data for this product please contact:

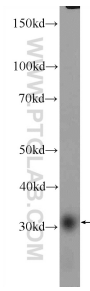
T: 4006900926

E: Proteintech-CN@ptglab.com

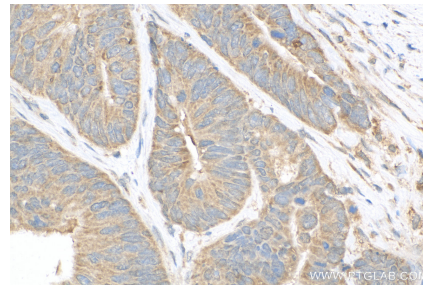
W: ptgcn.com

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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).