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Goat Anti-SRD5A2 / 5-alpha reductase 2 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2034a

Specification

Goat Anti-SRD5A2 / 5-alpha reductase 2 Antibody - Product Information

Application	**WB, E**
Primary Accession	P31213
Other Accession	NP_000339, 6716
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**28407**

Goat Anti-SRD5A2 / 5-alpha reductase 2 Antibody - Additional Information

Gene ID 6716

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, Type II 5-alpha reductase, SRD5A2

Dilution
WB~~1:1000
E~~N/A

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-SRD5A2 / 5-alpha reductase 2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-SRD5A2 / 5-alpha reductase 2 Antibody - Protein Information

Name SRD5A2

Function
Converts testosterone (T) into 5-alpha-dihydrotestosterone (DHT) 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
Expressed in high levels in the prostate and many other androgen-sensitive tissues

Goat Anti-SRD5A2 / 5-alpha reductase 2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-SRD5A2 / 5-alpha reductase 2 Antibody - Images

AF2034a (0.3 µg/ml) staining of Human Prostate lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-SRD5A2 / 5-alpha reductase 2 Antibody - Background

This gene encodes a microsomal protein expressed at high levels in androgen-sensitive tissues such as the prostate. The encoded protein is active at acidic pH and is sensitive to the 4-azasteroid inhibitor finasteride. Deficiencies in this gene can result in male pseudohermaphroditism, specifically pseudovaginal perineoscrotal hypospadias (PPSH).

Goat Anti-SRD5A2 / 5-alpha reductase 2 Antibody - References

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