

Product datasheet for **AP05512PU-N**

SRD5A2 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	Immunohistochemistry on Paraffin Sections (Heat induced epitope retrieval is required). <i>Positive Control:</i> Rat Prostate.
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a C-terminal portion of native Rat 5-Alpha Reductase type 2 conjugated to Human Thyroglobulin.
Specificity:	This antibody is specific for 5-Alpha Reductase type 2 and does not react with 5-Alpha Reductase type 1.
Formulation:	Ammonium Bicarbonate State: Purified State: Lyophilized purified Ig fraction Stabilizer: None Preservative: None
Reconstitution Method:	Restore in 50 µl of sterile distilled water. Addition of Sodium Azide is recommended for long term storage.
Purification:	Ammonium Sulphate Precipitation
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	steroid 5 alpha-reductase 2
Database Link:	Entrez Gene 64677 Rat Entrez Gene 6716 Human P31213



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Background:	SRD5A2 (Steroid-5-alpha-reductase, alpha polypeptide 2) is a microsomal protein. It 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.
Synonyms:	SRD5A2, 3-oxo-5-alpha-steroid 4-dehydrogenase 2, EC=1.3.99.5, Steroid 5-alpha-reductase 2, 5 alpha-SR2, Type II 5-alpha reductase, SR type 2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Androgen and estrogen metabolism, Prostate cancer