

Rabbit anti-Human SRD5A3 Polyclonal Antibody | anti-SRD5A3 antibody

SRD5A3 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286540	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

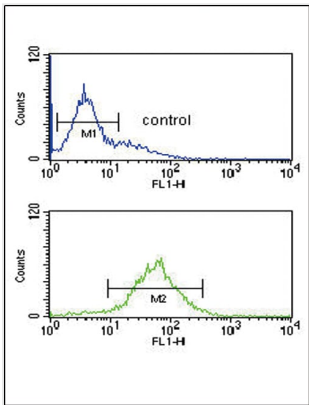
PRODUCT SYNONYMS

SRD5A3; Polyclonal Antibody; SRD5A3 Antibody (C-term); Polyprenol reductase; 3-oxo-5-alpha-steroid 4-dehydrogenase 3; Steroid 5-alpha-reductase 2-like; Steroid 5-alpha-reductase 3; S5AR 3; SR type 3; SRD5A2L; anti-SRD5A3 antibody

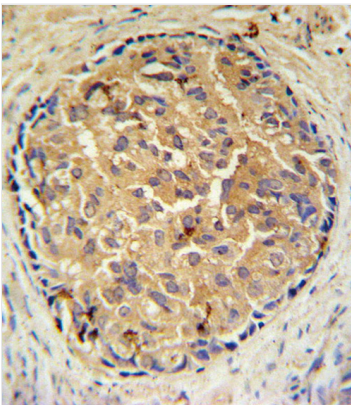
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SRD5A3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 283-311 amino acids from the C-terminal region of human SRD5A3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	283-311
Sequence Length	318
Applicable Applications for anti-SRD5A3 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Function	Plays a key role in early steps of protein N-linked glycosylation by being required for the conversion of polyprenol into dolichol. Dolichols are required for the synthesis of dolichol-linked monosaccharides and the oligosaccharide precursor used for N-glycosylation. Acts as a polyprenol reductase that promotes the reduction of the alpha-isoprene unit of polyprenols into dolichols in a NADP-dependent mechanism. Also able to convert testosterone (T) into 5-alpha-dihydrotestosterone (DHT).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein
Tissue Location	Overexpressed in hormone-refractory prostate cancers (HRPC). Almost no or little expression in normal adult organs
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

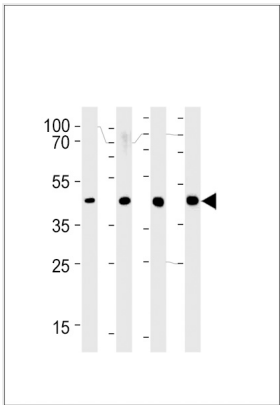
IMAGES



FCM/FACS (Flow Cytometry)
SRD5A3 Antibody (C-term) (AAA286540) flow cytometric analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
SRD5A3 Antibody (C-term) (AAA286540) IHC analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SRD5A3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
SRD5A3 Antibody (C-term) (AAA286540) western blot analysis in 293, LNCaP, PC-3, NCI-H292 cell line lysates (35ug/lane). This demonstrates the SRD5A3 antibody detected the SRD5A3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SRD5A3 antibody	SRD5A3 converts testosterone (T) into 5-alpha-dihydrotestosterone (DHT).
Product Categories/Family for anti-SRD5A3 antibody	Crown Antibodies ; Signal Transduction
References	Uemura, M., et al. Cancer Sci. 99(1):81-86(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	13375785
NCBI GeneID	79644
NCBI Accession #	NP_078868.1
NCBI GenBank Nucleotide #	NM_024592.4
UniProt Accession #	Q9H8P0 ; Q4W5Q6
Molecular Weight	36521

NCBI Official Full Name	polyprenol reductase
NCBI Official Synonym Full Names	steroid 5 alpha-reductase 3
NCBI Official Symbol	SRD5A3
NCBI Official Synonym Symbols	CDG1P; CDG1Q; KRIZI; SRD5A2L; SRD5A2L1
NCBI Protein Information	polyprenol reductase
UniProt Protein Name	Polyprenol reductase
UniProt Gene Name	SRD5A3
UniProt Synonym Gene Names	SRD5A2L; S5AR 3; SR type 3
UniProt Entry Name	PORED_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/srd5a3-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/286540>