

Rabbit anti-Human, mouse SRD5A2 Polyclonal Antibody | anti-SRD5A2 antibody

SRD5A2 Antibody (Center)

CATALOG # AAA283940	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS ELISA, Western Blot
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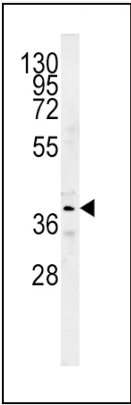
PRODUCT SYNONYMS

SRD5A2; Polyclonal Antibody; SRD5A2 Antibody (Center); 3-oxo-5-alpha-steroid 4-dehydrogenase 2; 5 alpha-SR2; SR type 2; Steroid 5-alpha-reductase 2; S5AR 2; Type II 5-alpha reductase; anti-SRD5A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SRD5A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 153-182 amino acids from the Central region of human SRD5A2.
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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	153-182
Sequence Length	254
Applicable Applications for anti-SRD5A2 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles

IMAGES



WB (Western Blot)
SRD5A2 Antibody (Center) western blot analysis in mouse kidney tissue lysates (15ug/lane). This demonstrates the SRD5A2 antibody detected SRD5A2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SRD5A2 antibody	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).
Product Categories/Family for anti-SRD5A2 antibody	Cell Biology; Metabolism; Signal transduction
References	Thigpen, A.E., et al. N. Engl. J. Med. 327(17):1216-1219(1992) Thigpen, A.E., et al. J. Clin. Invest. 90(3):799-809(1992) Labrie, F., et al. Endocrinology 131(3):1571-1573(1992) Andersson, S., et al. Nature 354(6349):159-161(1991)

NCBI AND UNIPROT INFORMATION

NCBI GI #	39812447
NCBI GeneID	6716
NCBI Accession #	NP_000339.2
NCBI GenBank Nucleotide #	NM_000348.3
UniProt Accession #	P31213; Q2M1R4; Q9BYE6; B2RE87
Molecular Weight	28393
NCBI Official Full Name	3-oxo-5-alpha-steroid 4-dehydrogenase 2
NCBI Official Synonym Full Names	steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)
NCBI Official Symbol	SRD5A2
NCBI Protein Information	3-oxo-5-alpha-steroid 4-dehydrogenase 2
UniProt Protein Name	3-oxo-5-alpha-steroid 4-dehydrogenase 2
UniProt Gene Name	SRD5A2
UniProt Synonym Gene Names	S5AR 2
UniProt Entry Name	S5A2_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/srd5a2-antibody-western-blot-elisa/283940>