



S5A2 Polyclonal Antibody

Catalog No	YP-Ab-07766
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	SRD5A2
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	S5A2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	5ART2;S5AR 2;ST5AR2;S5A2_HUMAN;SRD5A2;5 alpha-SR2;SR type 2; Steroid 5-alpha-reductase 2 (S5AR 2);Type II 5-alpha reductase;1.3.1.22; Q3UTZ9_MOUSE;S5A2_MOUSE;S5A2_PIG;S5A2_RAT;steroid 5 alpha-reductase 2;steroid-5-alpha-reductase;alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2);3-oxo-5-alpha-steroid 4-dehydrogenase 2;S5A2;3-oxo-5-alpha-steroid 4-dehydrogenase 2 (EC 1.3.1.30) (5 alpha-SR2) (SR type 2) (Steroid 5-alpha-reductase 2) (S5AR 2) (Type II 5-alpha reductase)
Observed Band	27kD
Calculated Molecular Weight	27kD
Cell Pathway	Microsome membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Expressed in high levels in the prostate and many other androgen-sensitive tissues.
Function	catalytic activity:A 3-oxo-5-alpha-steroid + acceptor = a 3-oxo-Delta(4)-steroid + reduced acceptor.;disease:Defects in SRD5A2 are the cause of pseudovaginal perineoscrotal hypospadias (PPSH) [MIM:264600]; also known as male pseudohermaphroditism due to 5-alpha-reductase deficiency or 5-ARD deficiency. PPSH is a rare form of male pseudohermaphroditism in which



affected males develop normal internal urogenital tracts but fail to develop external male structures. Individuals with PPSH have testicles and tend to have a vagina and labia, but with a small penis capable of ejaculation instead of a clitoris (this penis, however, appears to be a clitoris at birth). These individuals are normally raised as girls. However at puberty their testes will descend, their voice will deepen and they often will develop a male sexual identity. They develop only limited facial hair and will not experience ma

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). [provided by RefSeq, Jul 2008],

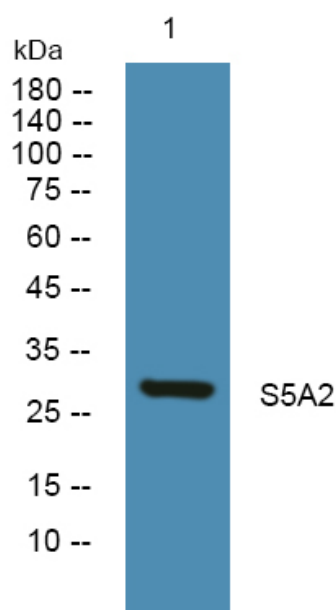
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from Jarkat cells, primary antibody was diluted at 1:1000, 4° over night