



S5A2 Polyclonal Antibody

Catalog No	BYab-23949
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	SRD5A2
Protein Name	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)
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	
Observed Band	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

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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],

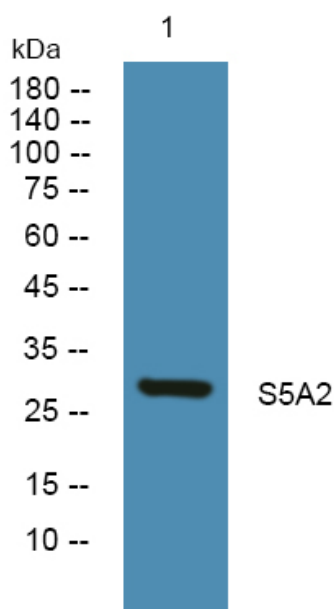
matters needing attention

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



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