



# S5A2 Polyclonal Antibody

<b>Catalog No</b>	BYab-07766
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	SRD5A2
<b>Protein Name</b>	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)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	S5A2 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	27kD
<b>Cell Pathway</b>	Microsome membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane ; Multi-pass membrane protein .
<b>Tissue Specificity</b>	Expressed in high levels in the prostate and many other androgen-sensitive tissues.
<b>Function</b>	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**

