



S5A1 Polyclonal Antibody

Catalog No	YP-Ab-07765
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	SRD5A1
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	S5A1 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	S5AR 1;0610031P22Rik;4930435F02Rik;Srd5a-1;S5A1_BOVIN;SRD5A1;SR type 1;Steroid 5-alpha-reductase 1 (S5AR 1);1.3.1.22;S5A1_HUMAN;S5A1_MOUSE;S5A1_RAT;steroid 5 alpha-reductase 1;steroid-5-alpha-reductase;alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1);3-oxo-5-alpha-steroid 4-dehydrogenase 1;S5A1;3-oxo-5-alpha-steroid 4-dehydrogenase 1 (EC 1.3.1.30) (SR type 1) (Steroid 5-alpha-reductase 1) (S5AR 1)
Observed Band	28kD
Calculated Molecular Weight	28kD
Cell Pathway	Microsome membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Liver and prostate (at a low level).
Function	catalytic activity:A 3-oxo-5-alpha-steroid + acceptor = a 3-oxo-Delta(4)-steroid + reduced acceptor.,function:Converts testosterone into 5-alpha-dihydrotestosterone and progesterone or corticosterone into their corresponding 5-alpha-3-oxosteroids. It plays a central role in sexual differentiation and androgen physiology.,induction:Its expression is regulated by androgens such as testosterone.,online information:5-alpha reductase entry,similarity:Belongs to



the steroid 5-alpha reductase family.,tissue specificity:Liver and prostate (at a low level).,

Background

Steroid 5-alpha-reductase (EC 1.3.99.5) catalyzes the conversion of testosterone into the more potent androgen, dihydrotestosterone (DHT). Also see SRD5A2 (MIM 607306).[supplied by OMIM, Mar 2008],

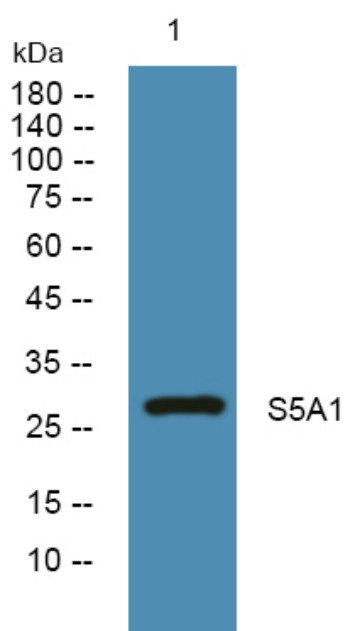
matters needing attention

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 SW480 cells, primary antibody was diluted at 1:1000, 4° over night