



ST2A1 Polyclonal Antibody

Catalog No	YP-Ab-10830
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	SULT2A1 HST STD
Immunogen	Synthesized peptide derived from human ST2A1
Specificity	This antibody detects endogenous levels of human ST2A1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HST;ST2;STD;hSTa;DHEAS;ST2A1;ST2A3;DHEA-ST;SULT2A3;DHEA-ST8; SULT2A1;SULT2A1 HST STD;Bile salt sulfotransferase (EC 2.8.2.14; Dehydroepiandrosterone sulfotransferase;Hydroxysteroid Sulfotransferase; Sulfotransferase 2A1;ST2A1)
Observed Band	34kD
Calculated Molecular Weight	34kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Liver, adrenal and at lower level in the kidney. Is present in human fetus in higher level in the adrenal than the liver and the kidney.
Function	catalytic activity:3'-phosphoadenylyl sulfate + glycolithocholate = adenosine 3',5'-bisphosphate + glycolithocholate 3-sulfate.,catalytic activity:3'-phosphoadenylyl sulfate + tauroolithocholate = adenosine 3',5'-bisphosphate + tauroolithocholate sulfate.,function:Catalyzes the sulfation of steroids and bile acids in the liver and adrenal glands.,miscellaneous:Estrogens present in maternal circulation is predominantly derived from fetal dehydroepiandrosterone sulfate which is hydrolyzed and metabolized to estrogens in placenta.,PTM:The N-terminus is blocked.,similarity:Belongs to the sulfotransferase 1 family.,subunit:Homodimer., tissue specificity:Liver, adrenal and at lower level in the kidney. Is present in



human fetus in higher level in the adrenal than the liver and the kidney.,

Background

This gene encodes a member of the sulfotransferase family. Sulfotransferases aid in the metabolism of drugs and endogenous compounds by converting these substances into more hydrophilic water-soluble sulfate conjugates that can be easily excreted. This protein catalyzes the sulfation of steroids and bile acids in the liver and adrenal glands, and may have a role in the inherited adrenal androgen excess in women with polycystic ovary syndrome. [provided by RefSeq, Mar 2010],

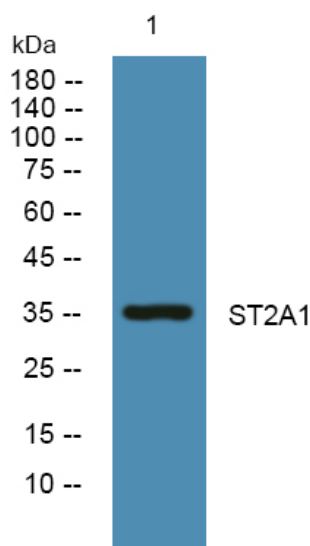
matters needing attention

Avoid repeated freezing and thawing!

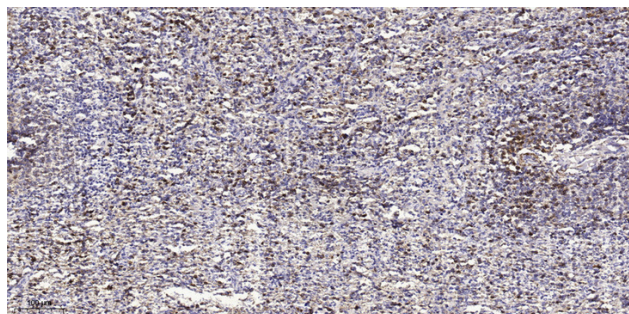
Usage suggestions

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



Immunohistochemical analysis of paraffin-embedded human spleen tissue. 1, primary Antibody was diluted at 1:200 (4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200