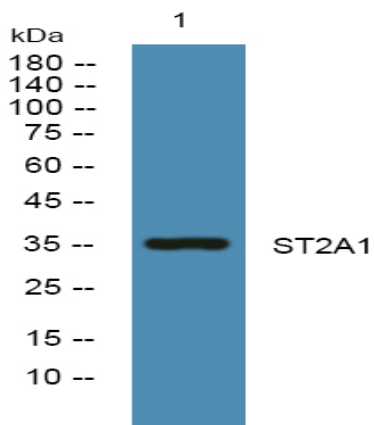


ST2A1 Polyclonal Antibody

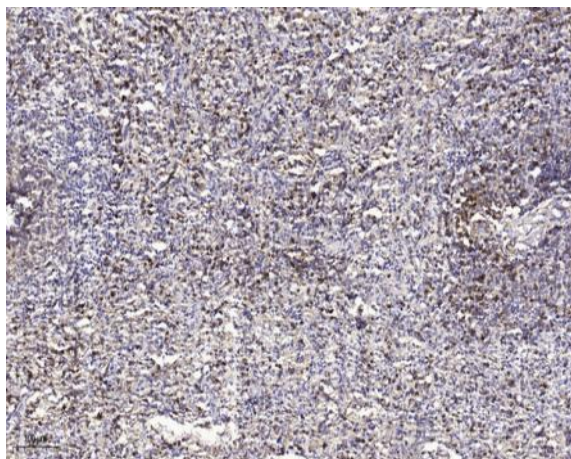
Catalog No :	YT6173
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	ST2A1
Fields :	>>Metabolism of xenobiotics by cytochrome P450;>>Bile secretion;>>Chemical carcinogenesis - DNA adducts
Gene Name :	SULT2A1 HST STD
Protein Name :	ST2A1
Human Gene Id :	6822
Human Swiss Prot No :	Q06520
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
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	34kD

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],
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.,
Subcellular Location :	Cytoplasm .
Expression :	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.
Sort :	16645
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

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