

## NTCP Polyclonal Antibody

<b>Catalog No :</b>	YT5372
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	NTCP
<b>Fields :</b>	>>Bile secretion;>>Hepatitis B
<b>Gene Name :</b>	SLC10A1
<b>Protein Name :</b>	Sodium/bile acid cotransporter
<b>Human Gene Id :</b>	6554
<b>Human Swiss Prot No :</b>	Q14973
<b>Mouse Swiss Prot No :</b>	O08705
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from the C-terminal region of human SLC10A1. AA range:281-330
<b>Specificity :</b>	NTCP Polyclonal Antibody detects endogenous levels of NTCP protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000. IF 1:100-300 Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 38kD

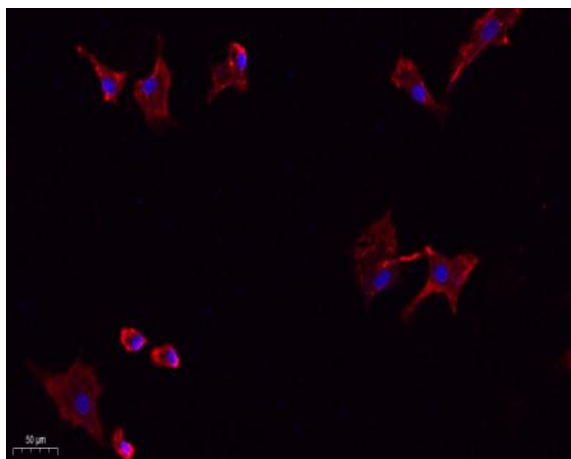
**Background :** The protein encoded by this gene belongs to the sodium/bile acid cotransporter family, which are integral membrane glycoproteins that participate in the enterohepatic circulation of bile acids. Two homologous transporters are involved in the reabsorption of bile acids; the ileal sodium/bile acid cotransporter with an apical cell localization that absorbs bile acids from the intestinal lumen, bile duct and kidney, and the liver-specific sodium/bile acid cotransporter, represented by this protein, that is found in the basolateral membranes of hepatocytes. Bile acids are the catabolic product of cholesterol metabolism, hence this protein is important for cholesterol homeostasis. [provided by RefSeq, Oct 2011],

**Function :** function:The hepatic sodium/bile acid uptake system exhibits broad substrate specificity and transports various non-bile acid organic compounds as well. It is strictly dependent on the extracellular presence of sodium.,similarity:Belongs to the sodium:bile acid symporter family.,

**Subcellular Location :** Cell membrane ; Multi-pass membrane protein.

**Expression :** Brain,Liver,

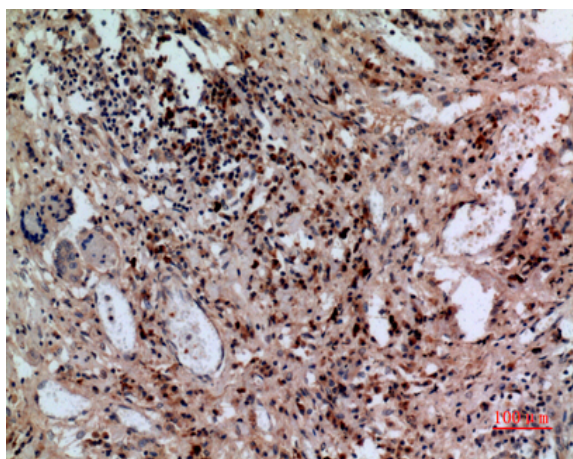
## Products Images



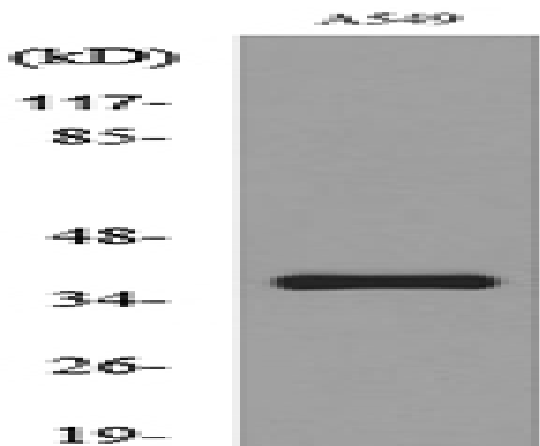
Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



Western Blot analysis of A549 cells using NTCP Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:100



Western blot analysis of lysate from A549 cells, using SLC10A1 Antibody.