



# NTCP rabbit pAb

Cat No.:ES4102

For research use only

## Overview

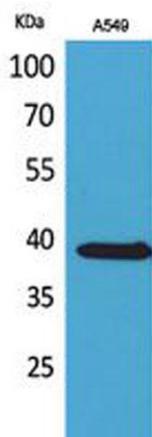
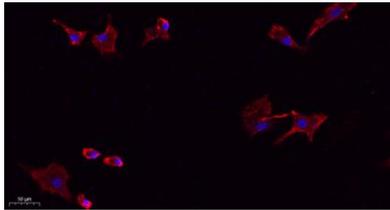
<b>Product Name</b>	NTCP rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. IF 1:100-300 Not yet tested in other applications.
<b>Immunogen</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>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Sodium/bile acid cotransporter
<b>Gene Name</b>	SLC10A1
<b>Cellular localization</b>	Cell membrane ; Multi-pass membrane protein.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	38kD
<b>Human Gene ID</b>	6554
<b>Human Swiss-Prot Number</b>	Q14973
<b>Alternative Names</b>	SLC10A1; NTCP; GIG29; Sodium/bile acid cotransporter; Cell growth-inhibiting gene 29 protein; Na(+)/bile acid cotransporter; Na(+)/taurocholate transport protein; Sodium/taurocholate cotransporting polypeptide; Solute carrier family 10 member 1
<b>Background</b>	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],

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.



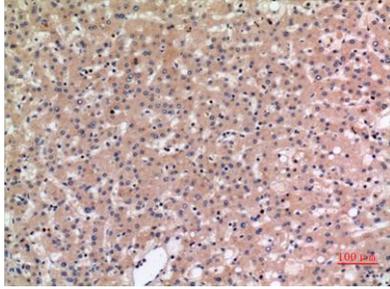
Western Blot analysis of A549 cells using NTCP Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



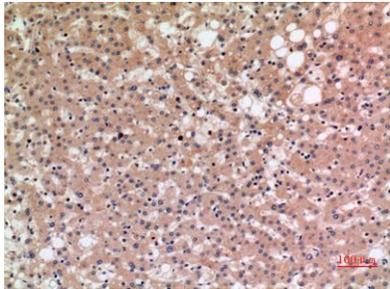


**ELK Biotechnology**

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



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



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