



# SMVT Polyclonal Antibody

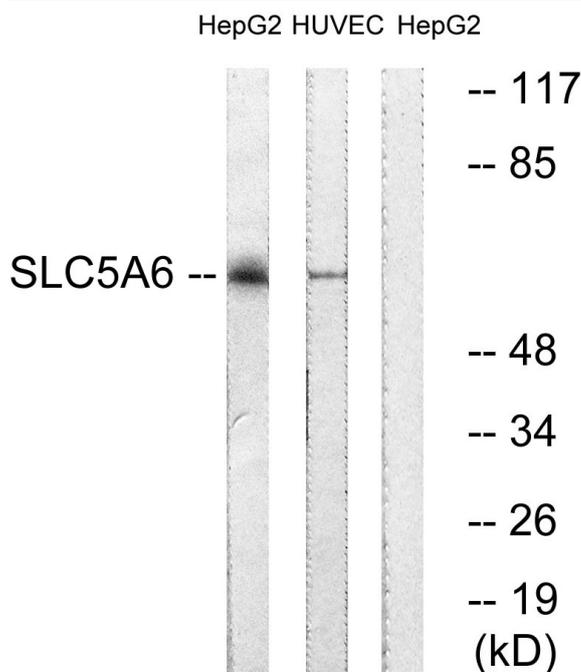
<b>Catalog No</b>	YP-Ab-00729
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB; ELISA;IHC
<b>Gene Name</b>	SLC5A6
<b>Protein Name</b>	Sodium-dependent multivitamin transporter
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SLC5A6. AA range:551-600
<b>Specificity</b>	SMVT Polyclonal Antibody detects endogenous levels of SMVT 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>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	SLC5A6; SMVT; Sodium-dependent multivitamin transporter; Na(+)-dependent multivitamin transporter; Solute carrier family 5 member 6
<b>Observed Band</b>	68kD
<b>Cell Pathway</b>	Cell membrane ; Multi-pass membrane protein .; Cell membrane ; Multi-pass membrane protein . (Microbial infection) Exposure to E.coli lipopolysaccharides leads to reduced cell membrane localization. .
<b>Tissue Specificity</b>	Expressed in microvessels of the brain (at protein level) (PubMed:25809983). Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney, and pancreas (PubMed:10329687).
<b>Function</b>	function:Transports pantothenate, biotin and lipoate in the presence of sodium.,similarity:Belongs to the sodium:solute symporter (SSF) (TC 2.A.21) family.,
<b>Background</b>	function:Transports pantothenate, biotin and lipoate in the presence of sodium.,similarity:Belongs to the sodium:solute symporter (SSF) (TC 2.A.21) family.,
<b>matters needing attention</b>	Avoid repeated freezing and thawing!



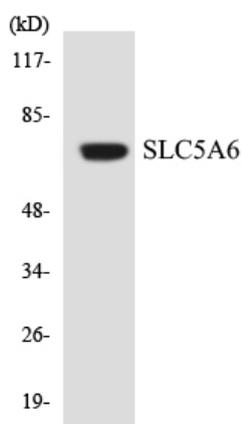
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

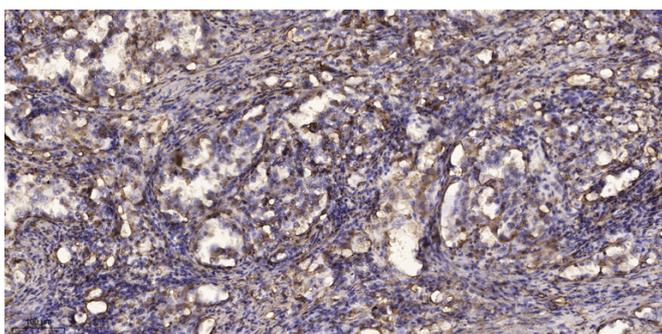
**Products Images**



Western blot analysis of lysates from HepG2 and HUVEC cells, using SLC5A6 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using SLC5A6 antibody.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).