ELK Biotechnology

SMIT rabbit pAb

Cat No.:ES3468

For research use only

Overview

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Product Name	SMIT rabbit pAb
Host species	Rabbit
Applications	WB; ELISA;IHC
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Immunogen	The antiserum was produced against synthesized peptide derived from human SLC5A3. AA range:221-270
Specificity	SMIT Polyclonal Antibody detects endogenous levels of SMIT protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Sodium/myo-inositol cotransporter
Gene Name	SLC5A3
Cellular localization	Membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	80kD
Human Gene ID	6526
Human Swiss-Prot Number	P53794
Alternative Names	SLC5A3; Sodium/myo-inositol cotransporter; Na(+)/myo-inositol cotransporter; Sodium/myo-inositol transporter 1; SMIT1; Solute carrier family 5 member 3
Background	function:Prevents intracellular accumulation of high concentrations of myo-inositol (an osmolyte) that result in impairment of cellular function.,similarity:Belongs to the sodium:solute symporter (SSF) (TC 2.A.21) family.,

Rat-kidney

170---
130---
100---
70---
55---
40---
35---
25---
15---
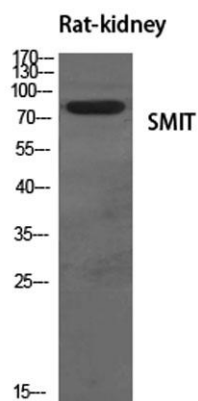
SMIT

Western Blot analysis of various cells using SMIT Polyclonal Antibody diluted at 1:500

(kD)   HuvEc

170-
130-
95-
72-
55-
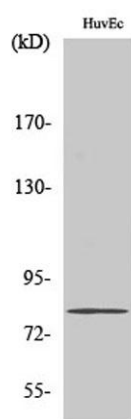
Western Blot analysis of HuvEc cells using SMIT Polyclonal Antibody diluted at 1:500

HuvEC HuvEC
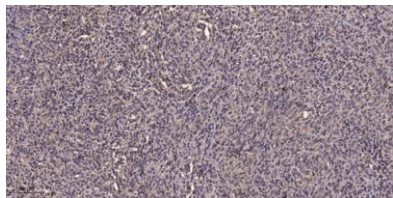
SLC5A3--

--250
--150
--100
--75
--50
--37
--25
--20
--15
(kd)
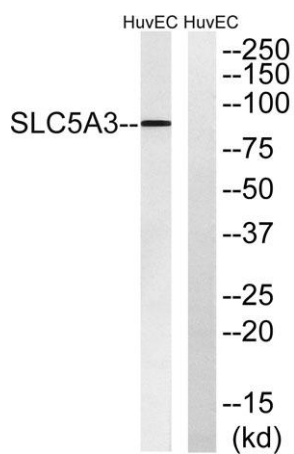
Western blot analysis of lysates from HUVEC cells, using SLC5A3 Antibody. The lane on the right is blocked with the synthesized peptide.

Immunohistochemical analysis of paraffin-embedded human Colon cancer. 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).