

SMIT Polyclonal Antibody

Catalog No: YT4344

Reactivity: Human; Mouse; Rat

Applications: WB;ELISA;IHC

Target: SMIT

Gene Name: SLC5A3

Protein Name: Sodium/myo-inositol cotransporter

P53794

Q9JKZ2

Human Gene ld: 6526

Human Swiss Prot

No:

Mouse Gene ld: 53881

Mouse Swiss Prot

No:

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.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

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)

1/3



Observed Band: 80kD

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)

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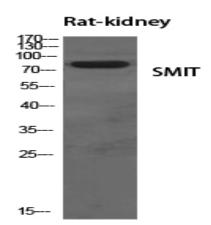
family.,

Subcellular Location:

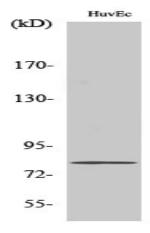
Membrane; Multi-pass membrane protein.

Expression : Placenta,

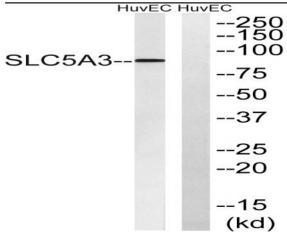
Products Images



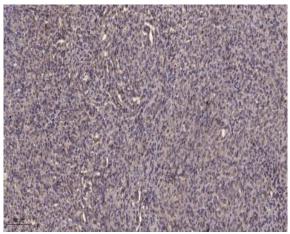
Western Blot analysis of various cells using SMIT Polyclonal Antibody diluted at 1:500



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



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).