Data Sheet (Cat.No.TMAB-01725)

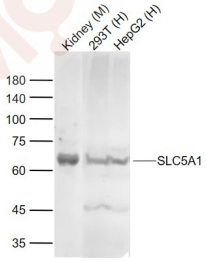
Anti-SLC5A1 Polyclonal Antibody

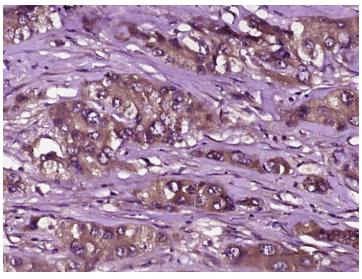
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 73 kDa. Actual: 70 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Lane 1: Mouse Kidney Lysates Lane 2: Human 293T cell Lysates Lane 3: Human HepG2 cell Lysates Primary: Anti-SLC5A1 (TMAB-01725) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 73 kDa Observed band size: 70 kDa 2. Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (SGLT1) Polyclonal Antibody, Unconjugated (TMAB-01725) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining.





Application:	ELISA,IHC-Fr,IHC-P,WB
Recommended	ELISA=1:5000-10000; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human SGLT1
Antigen Species:	Human
Gene ID:	6523
Uniprot ID:	P13866
Synonyms:	GLT1;D22S675;Sodium glucose cotransporter 1;High affinity sodium glucose cotransporter; SGLT1;GLT-1;High affinity sodium glucose cotransporter 1;Sodium/glucose cotransporter 1; SGLT 1;Na(+)/glucose cotransporter 1;NAGT;Human Na+/glucose cotransporter 1;Solute carrier family 5 member 1;Solute carrier family 5(sodium/glucose cotransporter) member 1
Biology Area:	Metabolism of carbohydrates,Carbohydrate metabolism,Cancer,Channels

Research Background

This gene encodes a member of the sodium-dependent glucose transporter (SGLT) family. The encoded integral membrane protein is the primary mediator of dietary glucose and galactose uptake from the intestinal lumen. Mutations in this gene have been associated with glucose-galactose malabsorption. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]

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