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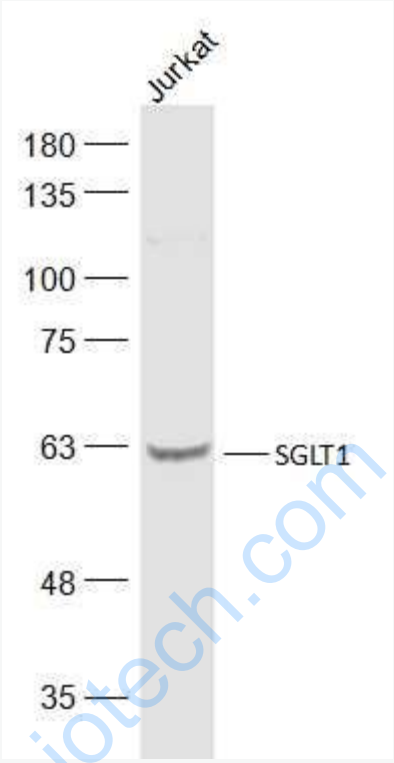
Rabbit Anti-SGLT1 antibody

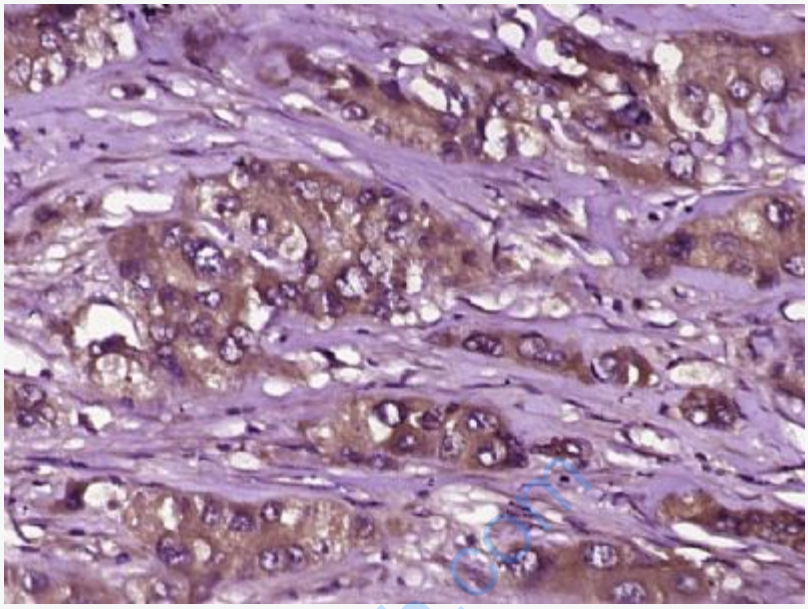
SL1128R

Product Name:	SGLT1
Chinese Name:	钠-糖共转运载体1抗体
Alias:	D22S675; High affinity sodium glucose cotransporter 1; GLT1; GLT-1; High affinity sodium glucose cotransporter; Human Na+/glucose cotransporter 1; Na(+)/glucose cotransporter 1; NAGT; SGLT 1; SLC5A1; Sodium glucose cotransporter 1; Sodium/glucose cotransporter 1; Solute carrier family 5 (sodium/glucose cotransporter) member 1; Solute carrier family 5 member 1.
文献引用 PubMed :	**Specific References(1)**|SL1128R has been referenced in 1 publications. **[IF=2.99]**Chen, Zhaolin, et al. "Efficiency of transcellular transport and efflux of flavonoids with different glycosidic units from flavonoids of< i> Litsea coreana L in a MDCK epithelial cell monolayer model." European Journal of Pharmaceutical Sciences (2013).**WB;Dog**. PubMed:24365259
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	73kDa
Cellular localization:	Extracellular matrix
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SGLT1:401-500/665
Lsotype:	IgG
Purification:	affinity purified by Protein A

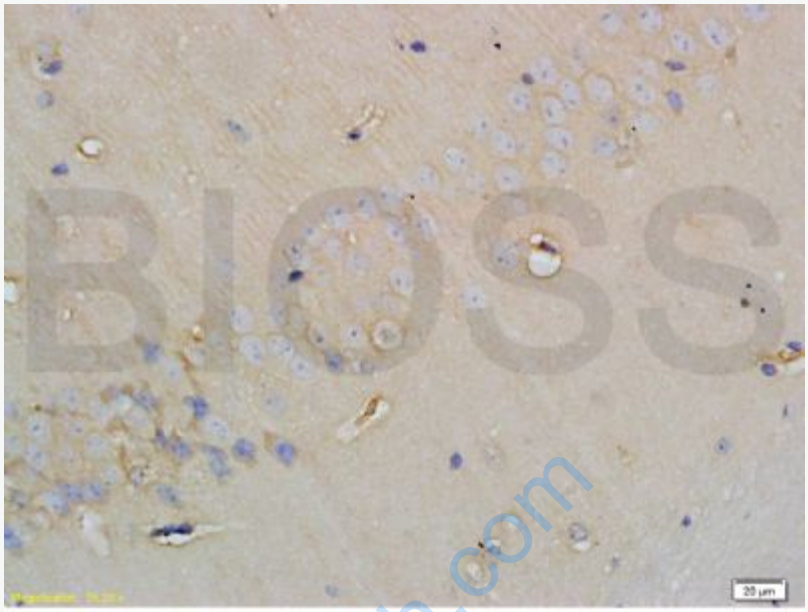
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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] **Function:** Actively transports glucose into cells by Na(+) cotransport with a Na(+) to glucose coupling ratio of 2:1. Efficient substrate transport in mammalian kidney is provided by the concerted action of a low affinity high capacity and a high affinity low capacity Na(+)/glucose cotransporter arranged in series along kidney proximal tubules. **Subcellular Location:** Membrane; Multi-pass membrane protein. **Tissue Specificity:** Expressed mainly in intestine and kidney. **Post-translational modifications:** N-glycosylation is not necessary for the cotransporter function. **DISEASE:** Congenital glucose/galactose malabsorption (GGM) [MIM:606824]: Intestinal monosaccharide transporter deficiency. It is an autosomal recessive disorder manifesting itself within the first weeks of life. It is characterized by severe diarrhea and dehydration which are usually fatal unless glucose and galactose are eliminated from the diet. Note=The disease is caused by mutations affecting the gene represented in this entry. **Similarity:** Belongs to the sodium:solute symporter (SSF) (TC 2.A.21) family. **SWISS:** Q8C3K6 **Gene ID:** 6523 **Database links:**

	Entrez Gene: 6523 Human Entrez Gene: 20537 Mouse Entrez Gene: 397113 Pig Entrez Gene: 25552 Rat Omim: 182380 Human SwissProt: P13866 Human SwissProt: Q8C3K6 Mouse SwissProt: P53790 Rat Unigene: 1964 Human Unigene: 25237 Mouse Unigene: 10224 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. 葡萄糖的跨膜转运主要是通过SGLT1结合1 mol葡萄糖,2 mol的Na+,形成Na+-载体-葡萄糖复合物,顺Na+的浓度梯度进入细胞.不同物种的SGLT1具有较高的同源性.

Picture:	 Sample: Jurkat(Human) Cell Lysate at 30 ug Primary: Anti-SGLT1 (SL1128R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 73 kD Observed band size: 60 kD

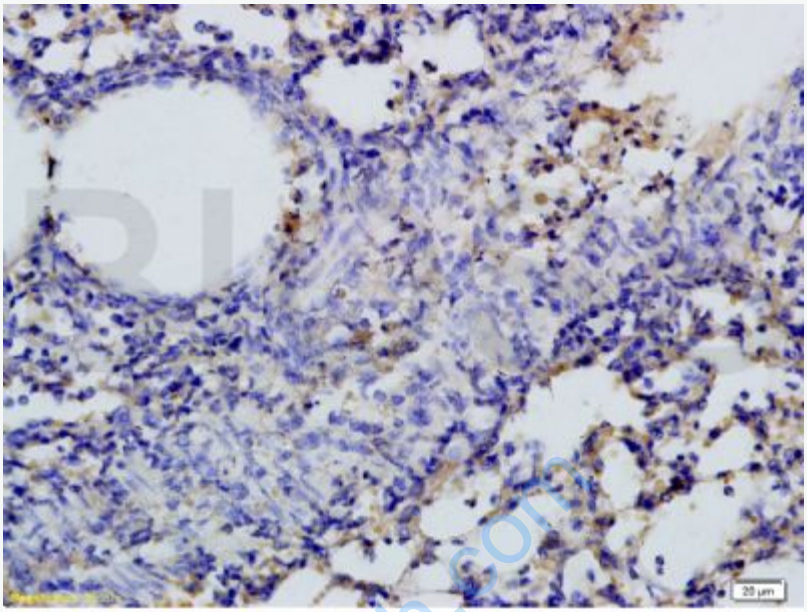


Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SGLT1) Polyclonal Antibody, Unconjugated (SL1128R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



bs-1128R Anti-SGLT1/GLT 1 Polyclonal Antibody
Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min
Block endogenous peroxidase by 3% Hydrogen peroxide for 30min
Blocking buffer (normal goat serum) at 37℃ for 20 min
Incubation: Anti-SGLT1 Polyclonal Antibody, Unconjugated(bs-1128R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min Block endogenous peroxidase by 3% Hydrogen peroxide for 30min Blocking buffer (normal goat serum) at 37℃ for 20 min Incubation: Anti-SGLT1 Polyclonal Antibody, Unconjugated(SL1128R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining



bs-1128R Anti-SGLT1/GLT 1 Polyclonal Antibody

Tissue/cell: rat lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min
Block endogenous peroxidase by 3% Hydrogen peroxide for 30min
Blocking buffer (normal goat serum) at 37°C for 20 min
Incubation: Anti-SGLT1 Polyclonal Antibody, Unconjugated(bs-1128R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining