SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-SLC7A9 Polyclonal Antibody

Catalog Number: SLA0183

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
GeneID:	11136
SWISS:	P82251
Target:	SLC7A9
Immunogen:	Recombinant human SLC7A9 protein
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	53 kDa
Subcellular Location:	Membrane
Background:	SLC7A9 belongs to the amino acid-polyamine-organocation (APC) superfamily. It is a disulfide linked heterodimer with the amino acid transport protein SLC3A1. SLC7A9 is involved in the high affinity, sodium independent transport of cystine and neutral and dibasic amino acids (system b(0,+)-like activity). Thought to be responsible for the high affinity reabsorption of cystine in the kidney tubule. Defects in SLC7A9 are a cause of non type I cystinuria (CSNU). CSNU arises from impaired transport of cystine and dibasic amino acids through the epithelial cells of the renal tubule and gastrointestinal tract. Three types of cystinuria have been described: type I (fully recessive or silent); type II (high excretor); type III (moderate excretor). Defects in SLC7A9 are associated with type II and type III cystinuria. They also might account for some non classic type I cystinuria cases.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

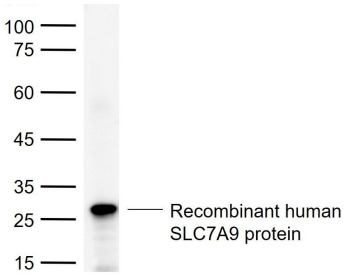


Figure 1. Sample: Lane 1: Recombinant human SLC7A9 protein, N-Trx-His(SL42272P) Primary: Anti-SLC7A9 (SLA0183) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 53 kDa Observed band size: 26 kDa
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