SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-ZnT-1 antibody

Catalog Number: SL6440R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ZnT-1
Immunogen:	KLH conjugated synthetic peptide derived from human ZnT-1: 131-330/507
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 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Mouse, Rat, (predicted: Dog, Pig, Cow, Horse)
Predicted MW.:	55kDa
Subcellular Location:	The cell membrane
Background:	Zinc, an essential element required for cell proliferation and differentiation, plays a role in a diverse array of cellular functions, including acting as a cofactor for numerous enzymes and transcription factors and as a neuroregulator. The zinc transporter (ZnT) family regulates the supply of zinc within cells, and its members are characterized by containing six membrane-spanning domains, a large histidine-rich intracellular loop, and a C-terminal tail. ZnT-1, a ubiquitous protein, localizes to the plasma membrane to aid in the export of zinc out of cells. **Function:** May be involved in zinc transport out of the cell. **Subunit:** Multimer. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Similarity:** Belongs to the cation diffusion facilitator (CDF) transporter (TC 2.A.4) family. SLC30A subfamily. **Database links:**

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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	Entrez Gene: 7779 Human **Entrez Gene:** 22782 Mouse **Entrez Gene:** 58976 Rat Omim: 609521 Human **SwissProt:** Q9Y6M5 Human **SwissProt:** Q60738 Mouse **SwissProt:** Q62720 Rat **Unigene:** 519469 Human **Unigene:** 9024 Mouse **Unigene:** 10120 Rat

[VALIDATION IMAGES]

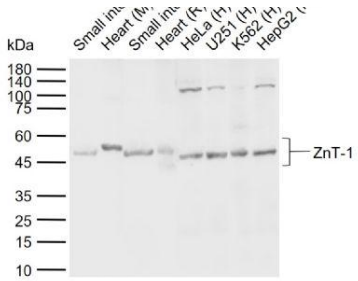


Figure 1. Sample: Lane 1: Mouse Small intestine tissue lysates Lane 2: Mouse Heart tissue lysates Lane 3: Rat Small intestine tissue lysates Lane 4: Rat Heart tissue lysates Lane 5: Human HeLa cell lysates Lane 6: Human U251 cell lysates Lane 7: Human K562 cell lysates Lane 8: Human HepG2 cell lysates Primary: Anti-ZnT-1 (SL6440R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kDa Observed band size: 50 kDa

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