

## Anti-ZnT-1 Polyclonal Antibody

### Product Details

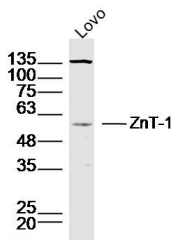
Ig Type: IgG  
Reactivity: Human, Mouse, Rat (predicted: Dog, Pig, Cow)  
Molecular Weight: Theoretical: 55 kDa. Actual: 50 kDa.  
Purification: Protein A purified

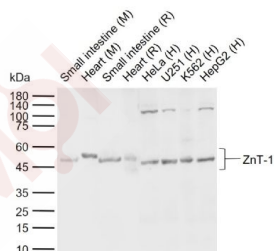
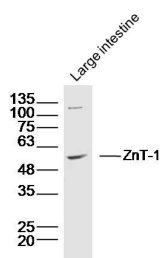
### Applications

1. Sample: LOVO cell (human) Lysate at 40 µg  
Primary: Anti-ZnT-1 (TMAB-01997) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 55 kDa  
Observed band size: 55 kDa

2. Sample: Large intestine (mouse) Lysate at 40 µg  
Primary: Anti-ZnT-1 (TMAB-01997) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 55 kDa  
Observed band size: 55 kDa

3. Sample:  
Verified Activity: 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 (TMAB-01997) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 55 kDa  
Observed band size: 50 kDa





Application: ELISA, WB

Recommended WB: 1:500-2000; ELISA: 1:5000-10000

### 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 ZnT-1

Antigen Species: Human

Gene ID: 7779

Uniprot ID: Q9Y6M5

Synonyms: ZRC1;SLC30A1;ZRC 1;Zinc transporter 1;SLC30A 1;Solute carrier family 30(zinc transporter), member1;Solute carrier family 30 member 1;Solute carrier family 30(zinc transporter), member 1;Solute carrier family 30, member 1;Zinc transporter1;SLC30 A1;ZNT1;ZNT 1

Biology Area: Aging, Vitamins / minerals, Neurodegenerative disease, Alzheimer's disease, Vitamins / Minerals

### Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481