

ZnT-8 Polyclonal Antibody
Catalog # AP73173**Specification**

ZnT-8 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q8IWU4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

ZnT-8 Polyclonal Antibody - Additional Information**Gene ID** 169026**Other Names**

SLC30A8; ZNT8; Zinc transporter 8; ZnT-8; Solute carrier family 30 member 8

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

ZnT-8 Polyclonal Antibody - Protein Information**Name** SLC30A8 ([HGNC:20303](#))**Function**

Proton-coupled zinc ion antiporter mediating the entry of zinc into the lumen of pancreatic beta cell secretory granules, thereby regulating insulin secretion.

Cellular Location

Cytoplasmic vesicle, secretory vesicle membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Note=Associated with insulin and glucagon secretory granules.

Tissue Location

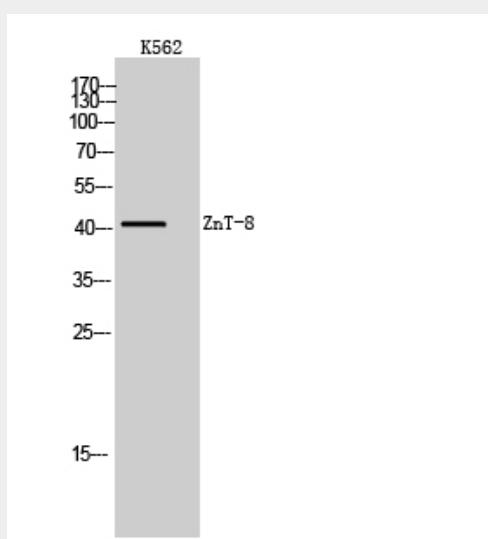
In the endocrine pancreas, expressed in insulin- producing beta cells. Expressed at relatively high levels in subcutaneous fat tissue from lean persons; much lower levels in visceral fat, whether from lean or obese individuals, and in subcutaneous fat tissue from obese individuals. Expressed in peripheral blood mononuclear cells, including T-cells and B-cells, with great variation among individuals ranging from negative to strongly positive

ZnT-8 Polyclonal Antibody - Protocols

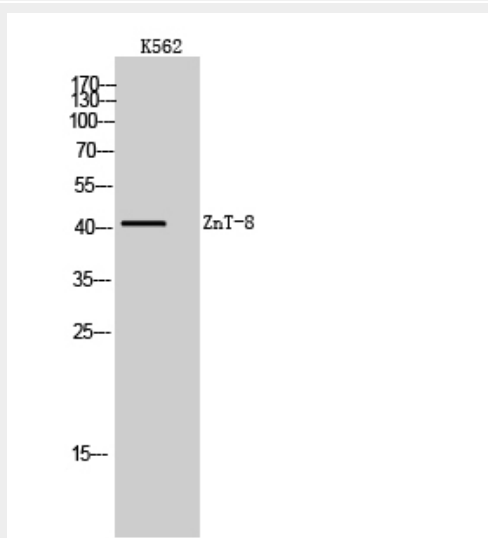
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ZnT-8 Polyclonal Antibody - Images



Western Blot analysis of K562 cells using ZnT-8 Polyclonal Antibody. Secondary antibody was diluted at 1:20000



Western Blot analysis of K562 cells using ZnT-8 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

ZnT-8 Polyclonal Antibody - Background

Facilitates the accumulation of zinc from the cytoplasm into intracellular vesicles, being a zinc-efflux transporter. May be a major component for providing zinc to insulin maturation and/or storage processes in insulin-secreting pancreatic beta- cells.