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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℃

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

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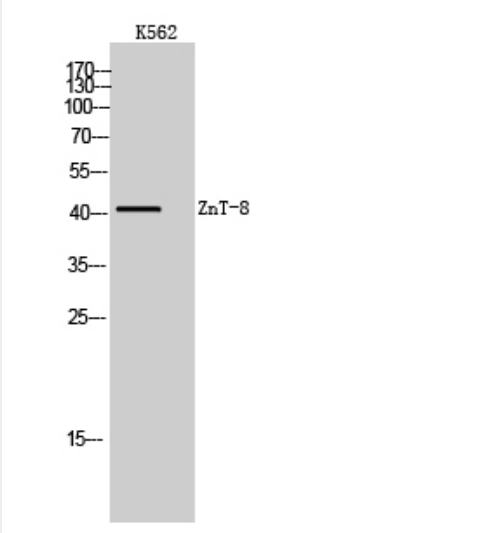
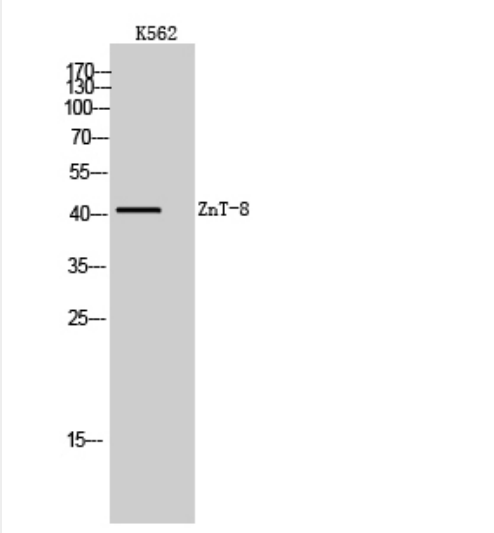
ZnT-8 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ZnT-8 Polyclonal Antibody - Images





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.