

**Anti-Human ZnT-8 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA06186**

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3th Edition

**Description:**The protein encoded by this gene is a zinc efflux transporter involved in the accumulation of zinc in intracellular vesicles. This gene is expressed at a high level only in the pancreas, particularly in islets of Langerhans. The encoded protein colocalizes with insulin in the secretory pathway granules of the insulin-secreting INS-1 cells. Allelic variants of this gene exist that confer susceptibility to diabetes mellitus, noninsulin-dependent (NIDDM). Several transcript variants encoding different isoforms have been found for this gene.SLC30A8 (Solute Carrier Family 30 Member 8) is a Protein Coding gene. Diseases associated with SLC30A8 include Diabetes Mellitus, Noninsulin-Dependent and Prediabetes Syndrome. Among its related pathways are Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds and Metal ion SLC transporters. GO annotations related to this gene include protein homodimerization activity and zinc ion transmembrane transporter activity. An important paralog of this gene is SLC30A2.

**Antigen:**Synthesized peptide derived from the Internal region of human ZnT-8

**Form:**

**How to use:**1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:**PBS (pH7.4) containing 1% BSA

**Application:**This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**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.