

ZNT8 polyclonal antibody

Catalog: BS62515

Host: Rabbit

Reactivity: Human,Rat

BackGround:

Zinc, an essential element required for cell proliferation and differentiation, plays a role in a diverse array of cellular functions (such as neuroregulation) and acts as a co-factor for numerous enzymes and transcription factors. The zinc transporter (ZnT) family regulates the supply of zinc within cells, and its members commonly contain six membrane-spanning domains, a large histidine-rich intracellular loop and a C-terminal tail. ZnT-8 (zinc transporter 8), also known as SLC30A8 (solute carrier family 30 member 8), is a 369 amino acid multi-pass membrane protein that belongs to the ZnT family and is a major autoantigen in type I diabetes. Expressed specifically in pancreas islet cells, ZnT-8 functions as a zinc-efflux transporter that facilitates the accumulation of zinc in intracellular vesicles and is essential for the zinc-dependent maturation of Insulin within pancreatic cells. Multiple isoforms of ZnT-8 exist due to alternative splicing events.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 41 kDa

Swiss-Prot:

Q8IWU4

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1:500~1:1000

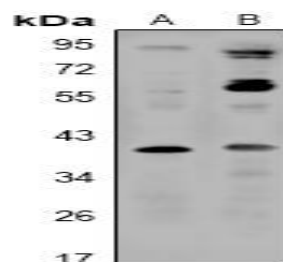
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

ZNT8 polyclonal antibody detects endogenous levels of ZNT8 protein.

DATA:



Western blot (WB) analysis of ZNT8 polyclonal antibody at 1:500 dilution

LaneA:H9C2 whole cell lysate

LaneB:K562 whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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