

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Anti-GLUT10 Antibody

ORDERING INFORMATION

Catalog No.: 28103

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

Non-insulin-dependent diabetes mellitus (NIDDM) is a multifactorial disease with both environmental and genetic causes. Genome-wide screening has identified several susceptibility loci for NIDDM within the human genome. Most mammalian cells transport glucose through a family of membrane proteins known as glucose transporters (GLUT or SLC2A family). The gene for GLUT10, localized to human chromosome 20q12-q13.1, is a candidate gene for NIDDM susceptibility. It is widely expressed, with highest levels in liver and pancreas.

SPECIFICATION SUMMARY

Immunogen: Synthetic peptide corresponding to amino acids 367-385 (ILSTAKKTKPHPRSGDPSA) of human GLUT10 conjugated to KLH at the N-terminus.

Host Species: Rabbit

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes human GLUT10.

APPLICATIONS

Immunoblotting: use at 1:500 dilution. A band of approximately 57 kDa is detected.

Positive control: transfected cell lysate

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

BACKGROUND REFERENCES

Wood,IS, Hunter,L and Trayhurn,P (2003) Biochem Biophys Res Commun 308: 43-49.

McVie-Wylie,AJ, Lamson,DR and Chen,YT (2001) Genomics 72: 113-117.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.