10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

# Anti-GLUT10 Antibody
**Catalog # AN2150**

## Specification

### Anti-GLUT10 Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | O95528 |
| Reactivity | **Bovine** |
| Host | **Rabbit** |
| Clonality | **Rabbit Polyclonal** |
| Isotype | **IgG** |
| Calculated MW | **56911** |

### Anti-GLUT10 Antibody - Additional Information

Gene ID **81031**

**Other Names**
SLC2A10, Solute carrier family 2, facilitated glucose transporter member 10, Glucose transporter type 10

**Dilution**
WB~~1:1000

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
Anti-GLUT10 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Shipping**
Blue Ice

### Anti-GLUT10 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

### Anti-GLUT10 Antibody - Images

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## Anti-GLUT10 Antibody - Background

Non-insulin-dependent diabetes mellitus (NIDDM) is a multifactoral disease with both environmental and genetics causes. Genome-wide screening procedures have identified several susceptibility loci for NIDDM within the human genome. A putative sugar transporter that has been localized to human chromosome 20q12-q13.1, one of the genomic loci associated with NIDDM. Because of the strong resemblance of this novel protein to members of the mammalian facilitative glucose transporter family (GLUT), the protein is known as GLUT10 (HGMW-approved gene symbol SLC2A10). Data suggests that GLUT10 an excellent candidate for a susceptibility gene involved in NIDDM. In addition, mouse whole genome microarray data shows GLUT1 and GLUT10 have the highest expression of the GLUT10 family in mouse cochlea. Ito et al showed vascular endothelial cells, basal cell layer of the stria vascularis and satellite cells contained GLUT1. However, this is the first report that GluT10 exists in the mouse cochlea. Current studies are investigating the location of GLUT10 expression in the mouse, rat, GP and monkey cochlea.