


Product datasheet

# Anti-Glucose Transporter GLUT10 antibody ab110528

1 References 2 Images

Overview

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<b>Product name</b>	Anti-Glucose Transporter GLUT10 antibody
<b>Description</b>	Rabbit polyclonal to Glucose Transporter GLUT10
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Chimpanzee, Macaque monkey, Gorilla, Orangutan 
<b>Immunogen</b>	Synthetic peptide conjugated to KLH derived from within residues 350 - 450 of Human Glucose Transporter GLUT10. Read Abcam's proprietary immunogen policy
<b>Positive control</b>	This antibody gave positive in Human Pancreas tissue lysate. This antibody gave a positive result in IHC in the following FFPE tissue: Human normal pancreas.

Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Note: Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

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Our [Abpromise guarantee](#) covers the use of **ab110528** in the following tested applications.

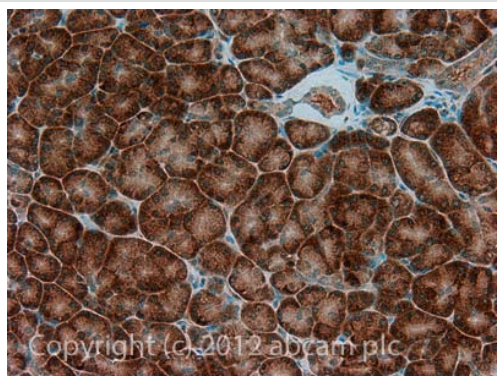
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 56 kDa (predicted molecular weight: 56 kDa).
IHC-P		Use a concentration of 5 µg/ml.

## Target

<b>Function</b>	Facilitative glucose transporter.
<b>Tissue specificity</b>	Widely expressed; highest levels in liver and pancreas.
<b>Involvement in disease</b>	Defects in SLC2A10 are the cause of arterial tortuosity syndrome (ATS) [MIM:208050]. ATS is an autosomal recessive disorder characterized by tortuosity and elongation of major arteries, often resulting in death at young age. Other typical features include aneurysms of large arteries and stenosis of the pulmonary artery, in association with facial features and several connective tissue manifestations such as soft skin and joint laxity. Histopathological findings include fragmentation of elastic fibers in the tunica media of large arteries.
<b>Sequence similarities</b>	Belongs to the major facilitator superfamily. Sugar transporter (TC 2.A.1.1) family. Glucose transporter subfamily.
<b>Cellular localization</b>	Endomembrane system. Cytoplasm > perinuclear region.

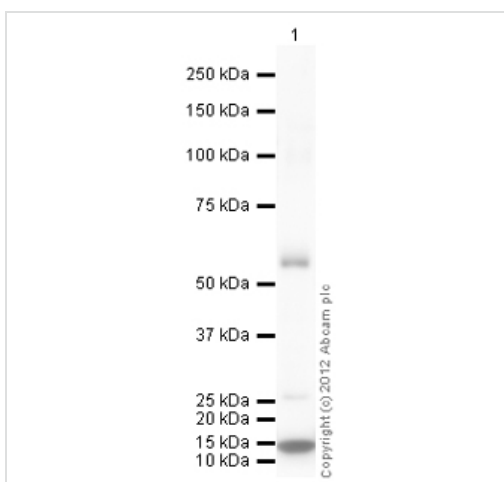
## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glucose Transporter GLUT10 antibody (ab110528)

IHC image of Glucose Transporter GLUT10 staining in Human normal pancreas formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab110528, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Western blot - Anti-Glucose Transporter GLUT10 antibody (ab110528)

Anti-Glucose Transporter GLUT10 antibody (ab110528) at 1 µg/ml + Human pancreas tissue lysate - total protein (ab29816) at 10 µg

#### Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 56 kDa

**Observed band size:** 56 kDa

**Additional bands at:** 15 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 4 minutes

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