

Rabbit GLUT10 Polyclonal Antibody | anti-SLC2A10 antibody

Anti-GLUT10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72772	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GLUT10; Polyclonal Antibody; Anti-GLUT10 Antibody; SLC2A10; Solute carrier family 2; facilitated glucose transporter member 10; Glucose transporter type 10; anti-SLC2A10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Residues with internal residues of human, mouse and rat GLUT10 protein.
Form/Format	Liquid; Antigen Affinity Purified; PBS + 0.02% NaN ₃
Applicable Applications for anti-SLC2A10 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Species	Human
Immunogen	Synthetic peptide corresponding to amino acids from an internal sequence of the human Ly-6k protein
Country of Origin	United States
Preparation and Storage	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage) upon arrival and stored long term at -20 degree C or -80 degree C, while keeping a working aliquot stored at 4 degree C for short term. Avoid freeze/thaw cycles. Stable for at least 1 year. After date of receipt, stable for at least 1 year at -20 degree C.

IMAGES



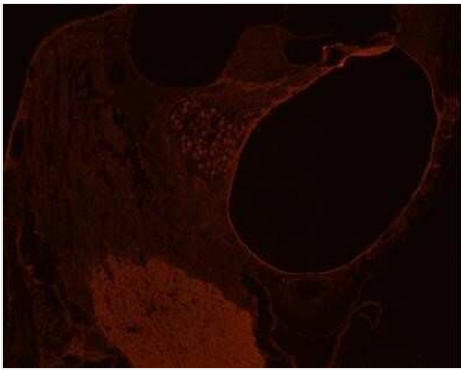
WB (Western Blot)

Western Blot of NCI-H1299 non-small cell lung tumor cells transfected with the eukaryotic expression vectors pcDNA3.1/V5 (lanes 1,2), pCMV-GLUT10 (lanes 3,4), and pCMV-GLUT1 (lanes 5,6) showing specific immunolabeling of GLUT10.



WB (Western Blot)

Western Blot showing specific immunolabeling of GLUT10 in Lane 1: 10ug of protein from liver Lane 2: 10ug of protein from cochlea (E18) Lane 3: 10ug of protein from cochlea (P7) Lane 4: 10ug of protein from cochlea (P10) Lane 5: 10ug of protein from cochlea (P14) Lane 6: 10ug of protein from cochlea (P17) Lane 7: 10ug of protein from cochlea (P60) Lane 8: 10ug of protein from cochlea (1 Year).



IHC (Immunohistochemistry)

Immunohistochemistry of mouse inner ear frozen sections showing specific staining of GLUT10 at 1:200 dilution. Sections were incubated with secondary (anti-rabbit Cy3, 1:400) RT 1 hr. Slides mounted with fluoromont G and examined under a confocal microscope. Strong immunoreactivity (red) is observed in the inner and outer hair cells and basilar membrane. Spiral ganglion neurons display moderate staining.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC2A10 antibody

GLUT10 rabbit polyclonal primary antibody from the lab is produced in-house. It detects human, mouse, and rat GLUT10 and is antigen affinity purified. It is great for use in WB, IHC.

Non-insulin-dependent diabetes mellitus (NIDDM) is a multifactorial 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.

Product Categories/Family for anti-SLC2A10 antibody

Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	13540547
NCBI GeneID	81031
NCBI Accession #	NP_110404.1
NCBI GenBank Nucleotide #	NM_030777.3
UniProt Accession #	O95528; Q3MIX5; Q9H4I6; A8K4J6
Molecular Weight	56,911 Da
NCBI Official Full Name	solute carrier family 2, facilitated glucose transporter member 10
NCBI Official Synonym Full Names	solute carrier family 2 (facilitated glucose transporter), member 10
NCBI Official Symbol	SLC2A10
NCBI Official Synonym Symbols	ATS; GLUT10
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 10; GLUT-10; glucose transporter type 10
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 10
UniProt Gene Name	SLC2A10

UniProt Synonym Gene Names	GLUT10; GLUT-10
UniProt Entry Name	GTR10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/glut10-antibody-immunohistochemistry-western-blot-elisa/72772>