Datasheet for ABIN7477481

Recombinant anti-GLUT1 antibody (AA 203-305)

3 Images

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Overview

Quantity:	1 mL
Target:	GLUT1 (SLC2A1)
Binding Specificity:	AA 203-305
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This GLUT1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fragment of human GLUT1 protein (around aa 203-305) (exact sequence is proprietary)
Clone:	MSVA-401R
Isotype:	IgG

Target Details

Target:	GLUT1 (SLC2A1)
Alternative Name:	GLUT1 (SLC2A1 Products)
Background:	Erythrocyte/hepatoma glucose transporter, Glucose transporter type-1, GLUT1, GLUT1DS,

Target Details

	GLUTB, GT1, GTG1, Gtg3, HepG2 glucose transporter, PED, RATGTG1, Solute carrier family 2, facilitated glucose transporter member 1 (SLC2A1),GLUT1 antibody validated for immunohistochemistry on 76 different Normal Tissues
UniProt:	P11166
Pathways:	Sensory Perception of Sound, Dicarboxylic Acid Transport, Warburg Effect

Application Details

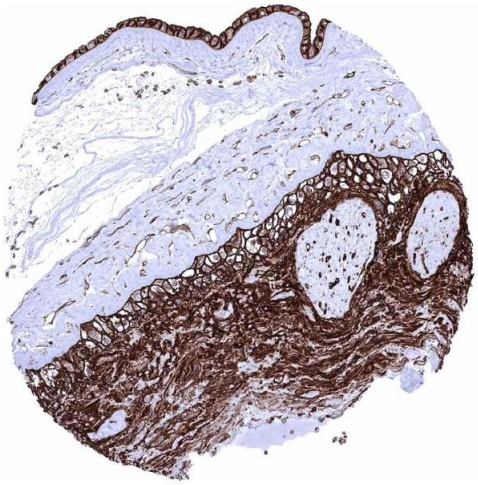
Application Notes:	IHC 1:100-1:200
Comment:	Positive Control: Brain: A strong GLUT1 staining of endothelial cells should be seen. Negative Control: Brain: GLUT1 staining should be absent in all cells/structures except blood vessels.
Protocol:	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121 °C in pH 7,8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37 °C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non- hazardous.

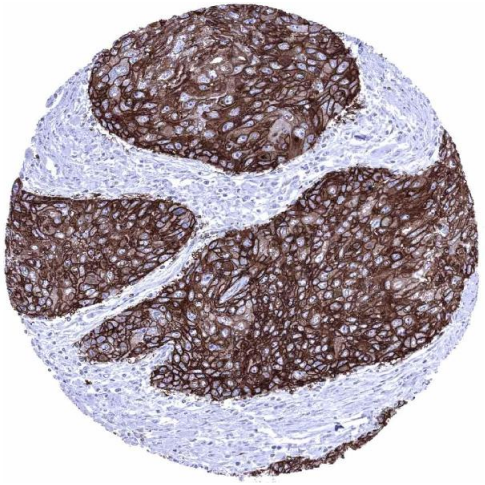
Immunohistochemistry

Image 1. Cerebrum grey matter A particularly strong GLUT1 staining of endothelial cells is seen in the brain



Immunohistochemistry

Image 2. Placenta amnion and chorion Membranous GLUT1 staining is very intense in amnion and chorion cells. Endothelial cells also show a particularly strong staining



Immunohistochemistry

Image 3. Skin Squamous cell carcinoma showing a strong GLUT1 immunostaining of tumor cells