Datasheet for ABIN6654515

anti-GLUT1 antibody (AA 203-305)

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Overview

Quantity:	100 µg
Target:	GLUT1 (SLC2A1)
Binding Specificity:	AA 203-305
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This GLUT1 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A portion of amino acids 203-305 from the human protein was used as the immunogen for this recombinant GLUT1 antibody.
Clone:	GLUT1-3132R
Isotype:	IgG kappa
Purification:	Purified
Purity:	Protein G affinity chromatography

Target Details

Target:	GLUT1 (SLC2A1)
Alternative Name:	GLUT1 / SLC2A1 (SLC2A1 Products)

Target Details

Background:	Recognizes a protein of 55 kDa, which is identified as GLUT1. Glucose transporters are integral membrane glycoproteins involved in transporting glucose into most cells. There are many types of glucose transport carrier proteins, designated as Glut1 to Glut12. Glut1 is a major glucose transporter in the mammalian blood-brain barrier. It is expressed in high density on the membranes of human erythrocytes and the brain capillaries that comprise the blood-brain barrier. Glut1 is expressed at variable levels in many human tissues. Overexpression has been linked to tumor progression or poor survival of patients with carcinomas of the colon, breast, cervical, lung, bladder and mesothelioma. Glut1 is a sensitive and specific marker for the differentiation of malignant mesothelioma (positive) from reactive mesothelium (negative).
Pathways:	Sensory Perception of Sound, Dicarboxylic Acid Transport, Warburg Effect

Application Details

Application Notes:	Optimal dilution of the recombinant GLUT1 antibody should be determined by the researcher.\. Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT
Restrictions:	For Research Use only

Handling

Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the recombinant GLUT1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).