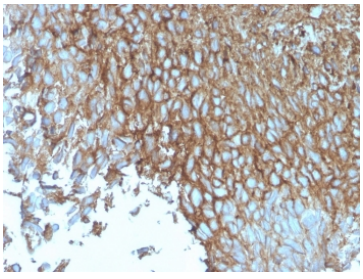
Recombinant GLUT1 Antibody / SLC2A1 [clone rGLUT1/2476] (V8082)

Catalog No.	Formulation	Size
V8082-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8082-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8082SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rGLUT1/2476
Purity	Protein G affinity chromatography
UniProt	P11166
Localization	Cell surface
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant GLUT1 antibody is available for research use only.



IHC staining of FFPE human bladder with recombinant GLUT1 antibody (clone rGLUT1/2476). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Recognizes a protein of 55kDa, which is identified as GLUT-1. Glucose transporters are integral membrane glycoproteins involved in transporting glucose into most cells. There are many types of glucose transport carrier proteins, designated as

Glut-1 to Glut-12. Glut-1 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. Glut-1 is expressed at variable levels in many human tissues. Overexpression of Glut-1 has been linked to tumor progression or poor survival of patients with carcinomas of the colon, breast, cervical, lung, bladder and mesothelioma. Glut-1 is a sensitive and specific marker for the differentiation of malignant mesothelioma (positive) from reactive mesothelium (negative).

Application Notes

Optimal dilution of the recombinant GLUT1 antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 203-305) was used as the immunogen for this recombinant GLUT1 antibody.

Storage

Store the recombinant GLUT1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).