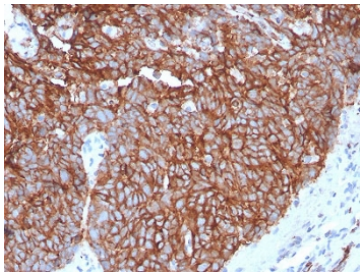
Recombinant GLUT1 Antibody [clone GLUT1/3132R] (V7457)

Catalog No.	Formulation	Size
V7457-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7457-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7457SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7457-IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

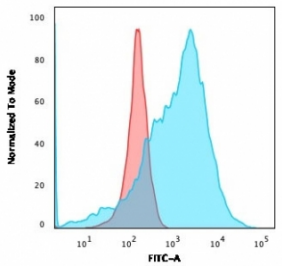
Recombinant RABBIT MONOCLONAL

Bulk quote request

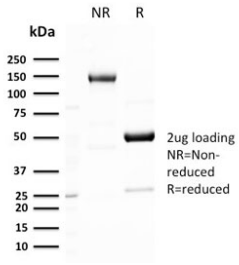
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	GLUT1/3132R
Purity	Protein G affinity chromatography
UniProt	P11166
Localization	Cell surface
Applications	ELISA : 1-2ug/ml for coating (order BSA/sodium azide-free format) Flow Cytometry : 1-2ug/10^6 cells Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This recombinant GLUT1 antibody is available for research use only.



IHC testing of human tongue with recombinant GLUT1 antibody. Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



Flow cytometry testing of human K562 cells with recombinant GLUT1 antibody (clone GLUT1/3132R); Red=isotype control, Blue= recombinant GLUT1 antibody.



SDS-PAGE analysis of purified, BSA-free recombinant GLUT1 antibody as confirmation of integrity and purity.

Description

Recognizes a protein of 45-55kDa, 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).

Application Notes

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

Immunogen

A portion of amino acids 203-305 from the human protein 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).