

GLUT-1 (AB1547) mouse mAb

V0078

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- Immunohistochemistry (IHC)

MW

- 54 kDa (calculated)
- 54 kDa (observed)

Isotype

- IgG2a, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:200-1:400

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1547

Immunogen A synthetic peptide corresponding to the amino acid region 400 - 492 of the human GLUT - 1 protein.

Specificity The antibody can specifically recognize human GLUT-1 protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name SLC2A1

Protein Name GLUT-1

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P11166	6513

Background

GLUT1, also known as human erythrocyte glucose transporter, is a member of GLUT family. It is a membrane related erythrocyte glucose transporter. Its main function is to transfer glucose into epithelial cells. It mediates the main glucose transport in mammalian blood-brain barrier, and glucose transport in vascular endothelial cells, adipose tissue and myocardium. At present, it is mainly used for the study of diabetic nephropathy and retinopathy. GLUT1 can be expressed in many normal tissues such as breast, stomach, lung and colon, but the expression is increased in malignant tissues. Colorectal cancer is strongly positive for GLUT1, indicating that the increase of GLUT1 expression is related to the degree of malignancy and invasiveness.



2200 Ringwood Ave. San Jose, CA 95131
1 (877) 594-3616 (Toll Free), (408) 747-0185

www.assaybiotechnology.com
tech@assaybiotech.com | order@assaybiotech.com
