

Product Datasheet

GLUT1 Antibody / SLC2A1 (orb1824536)

Catalog Number	orb1824536
Category	Antibodies
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).
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG
Conjugation	Unconjugated
Reactivity	Human
Immunogen	A recombinant fragment of human GLUT1 protein (within amino acids 200-400) was used as the immunogen for the SLC2A1 antibody.
UniProt ID	P11166
Tested applications	IHC-P
Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Antibody Type	Primary Antibody

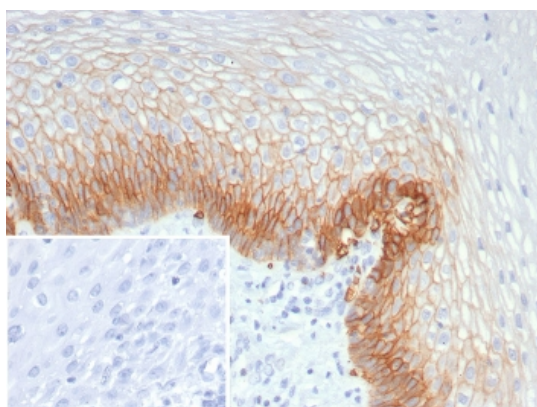
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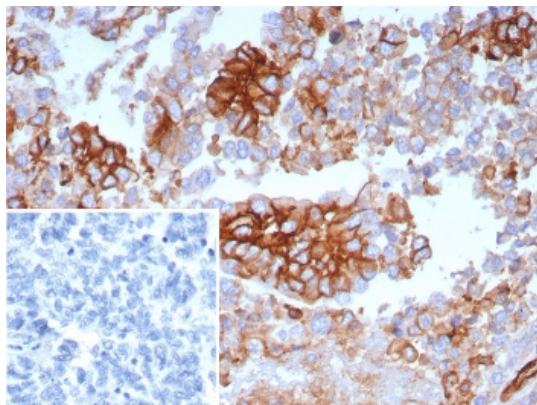
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Clone Number	GLUT1/7308
Formula	1 mg/ml in 1X PBS; BSA free, sodium azide free
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



IHC staining of FFPE human esophagus tissue with SLC2A1 antibody (clone GLUT1/7308). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.



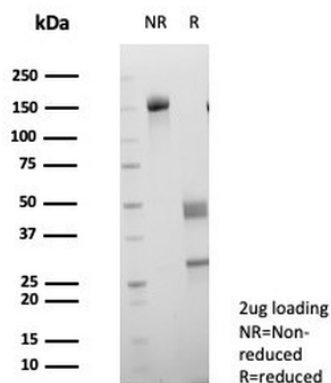
IHC staining of FFPE human ovarian carcinoma tissue with SLC2A1 antibody (clone GLUT1/7308). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.

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SDS-PAGE analysis of purified, BSA-free SLC2A1 antibody (clone GLUT1/7308) as confirmation of integrity and purity.

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