Recombinant GLUT-1 (Tumor Progression and Mesothelioma Marker) Antibody

Rabbit Monoclonal Antibody [Clone GLUT1/3132R]

Catalog No	Format	Size
6513-RBM6-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6513-RBM6-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6513-RBM6-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

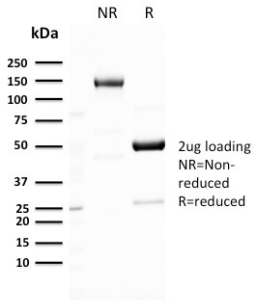
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

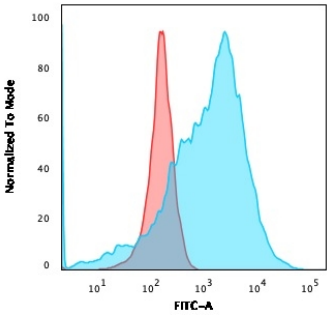
Clone	GLUT1/3132R
Immunogen	Recombinant fragment (around aa203-305) of the human GLUT-1 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	54.08kDa
Cellular Localization	Cell membrane, Melanosome, Photoreceptor inner segment
Species Reactivity	Human
Positive Control	A431, colon and ovarian carcinoma., K562, MDA-MB-231 cells. Erythrocytes. Mesothelioma or breast, Skin

**Optimal dilution for a specific application should be determined.*

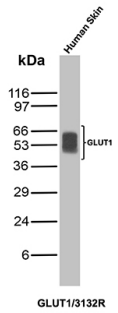
Product Images for Recombinant GLUT-1 (Tumor Progression and Mesothelioma Marker) Antibody



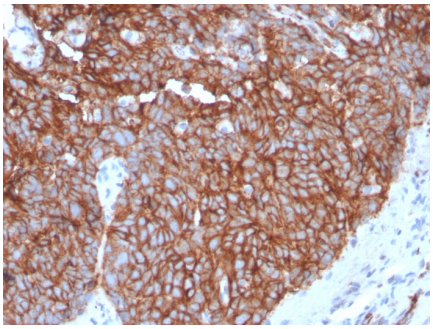
SDS-PAGE Analysis of Purified GLUT-1 Recombinant Rabbit Monoclonal Antibody (GLUT1/3132R). Confirmation of Purity and Integrity of Antibody.



Flow Cytometric Analysis of K562 cells using GLUT-1 Recombinant Rabbit Monoclonal Antibody (GLUT1/3132R) followed by goat anti-rabbit IgG-CF488 (Blue); Isotype Control (Red).



Western Blot Analysis of Human Skin tissue lysate using GLUT-1 Mouse Monoclonal Antibody (GLUT1/3132R).



Formalin-fixed, paraffin-embedded human Tongue stained with GLUT-1 Recombinant Rabbit Monoclonal Antibody (GLUT1/3132R).

Specificity & Comments

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).

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.