

Rabbit Polyclonal Antibody to GLUT-1

Catalog No.:	RP 128, RP 128-05
Applications:	Research Use Only. Optimal working conditions must be determined by the end user.
Immunogen:	A synthetic peptide derived from c-terminal of human GLUT-1.
Host:	Rabbit
Format:	Purified immunoglobulin fraction of rabbit antiserum against GLUT-1 containing sodium azide as a preservative.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:50-1:100 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
Staining Protocol:	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
Specificity:	This antibody reacts with a 55 kD protein. Glucose is fundamental to the metabolism of mammalian cells. Several glucose transporter protein (Glut) isoforms have been identified and shown to function in response in insulin and IGF-1 induced signaling. GLUT-1 is detectable in many human tissues including those of the colon, lung, stomach, esophagus, and breast. GLUT-1 immunoreactivity in some cancers, including trans carcinoma of the urinary bladder, has been associated with aggressive behavior. This antibody crossreacts with rat.
Positive Control:	Breast carcinoma
Cellular Localization:	Cytoplasmic
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.

RUO: Research Use Only

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

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1020 Serpentine Lane, # 114, Pleasanton, CA 94566 Tel: 925 484 3350, Fax: 925 484 3390

Website: www.dbiosys.com e-mail: customersupport@dbiosys.com