

Rabbit GLUT-1 Polyclonal Antibody | anti-GLUT-1 antibody

Rabbit anti GLUT-1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71309	Rabbit	Human, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

GLUT-1; Polyclonal Antibody; Rabbit anti GLUT-1 Polyclonal Antibody; Glut-1; anti-GLUT-1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody recognizes ~55 kDa of human Glut1 Protein. It is cross react to human, mouse and rat. The other species are not tested.
Purity/Purification	Purified by Epitope Affinity Purification
Form/Format	Supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Sequence Length	87
Applicable Applications for anti-GLUT-1 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Preparation	A synthetic peptide derived from C-terminus of human Glut-1 Protein. This sequence is identical to human and rat.
Poitive Control	Kidney Tissue
Cellular Location	Cell Membrane
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C. The antibodies can be stored at 2°C - 8°C for one month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry: Human esophagus tissue (FFPE) stained with Rabbit Anti-GLUT1 antibody (Cat# AAA71309) at 1:50 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

ADDITIONAL INFORMATION

Related Product Information for anti-GLUT-1 antibody	Glucose is fundamental to the metabolism of mammalian cells. Several glucose transporter protein (Glut) isoforms have been identified and shown to function in response to insulin and IGF-1 induced signaling. GLUT-1 is detectable in many human tissues including those of the colon, lung, stomach, esophagus, and breast.
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References	Bonsi P, Cuomo D, De Persis C, Centonze D, Bernardi G, Calabresi P, Pisani A (2005). "Modulatory action of metabotropic glutamate receptor (mGluR) 5 on mGluR1 function in striatal cholinergic interneurons". Neuropharmacology 49 Suppl 1: 104 -13.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	312593
NCBI GeneID	20525
UniProt Accession #	P17809; Q61608; Q6GTI3
Molecular Weight	55.0
NCBI Official Full Name	Glut-1, partial
NCBI Official Synonym Full Names	solute carrier family 2 (facilitated glucose transporter), member 1
NCBI Official Symbol	Slc2a1
NCBI Official Synonym Symbols	Glut1; Glut-1
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 1
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 1
UniProt Gene Name	Slc2a1
UniProt Synonym Gene Names	Glut-1; Glut1; GLUT-1; GT1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/glut-1-antibody-western-blot-immunoprecipitation-immunohistochemistry-elisa/71309>