SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-GLUT12/FITC Conjugated antibody

Catalog Number: SL2540R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-GLUT12/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human GLUT12 (558-588aa)
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 Flow-Cyt=1ug/test ICC/IF=1:100 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat(predicted:GuineaPig,Rabbit,Horse,Cow,Pig,Dog,Chicken)
Subcellular Location:	The cell membrane
Background:	background: GLUT12 belongs to a family of transporters that catalyze the uptake of sugars through facilitated diffusion. Thirteen different types of glucose/fructose transport carrier proteins designated as Glut 1-13 facilitate glucose/fructose transport across the cell membrane. Individual members of the Glut family have predicted secondary structure characteristic of 12 membrane spanning domains of other transport carriers. **Function:** Facilitative glucose transporter. **Subcellular Location:** Endomembrane system; Multi-pass membrane protein. Cytoplasm, perinuclear region. Note=Localizes primarily perinuclear region in the absence of insulin. **Tissue Specificity:** Predominantly expressed in skeletal muscle, heart and prostate, with lower levels in brain, placenta and kidney.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Similarity: Belongs to the major facilitator superfamily. Sugar transporter (TC 2.A.1.1) family. Glucose transporter subfamily. **Database links:** **Entrez Gene:** 154091 ?/span>Human **Entrez Gene:** 353169 ?/span>Mouse **Entrez Gene:** 308028 ?/span>Rat Omim: 610372 ?/span>Human **SwissProt:** Q8TD20 ?/span>Human **SwissProt:** Q8BFW9 ?/span>Mouse **Unigene:** 486508 ?/span>Human **Unigene:** 473705 ?/span>Mouse Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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