

Product datasheet for **TA323292**

GLUT4 (SLC2A4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human lung cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide peptide corresponding to a region derived from 496-509 amino acids of human solute carrier family 2 (facilitated glucose transporter), member 4
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	solute carrier family 2 member 4
Database Link:	NP_001033 Entrez Gene 20528 Mouse Entrez Gene 25139 Rat Entrez Gene 6517 Human P14672
Background:	This gene is a member of the solute carrier family 2 (facilitated glucose transporter) family and encodes a protein that functions as an insulin-regulated facilitative glucose transporter. In the absence of insulin; this integral membrane protein is sequestered within the cells of muscle and adipose tissue. Within minutes of insulin stimulation; the protein moves to the cell surface and begins to transport glucose across the cell membrane. Mutations in this gene have been associated with noninsulin-dependent diabetes mellitus (NIDDM).
Synonyms:	GLUT4

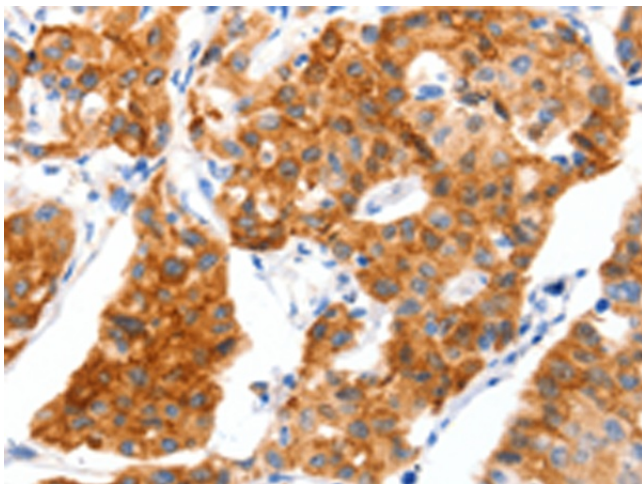


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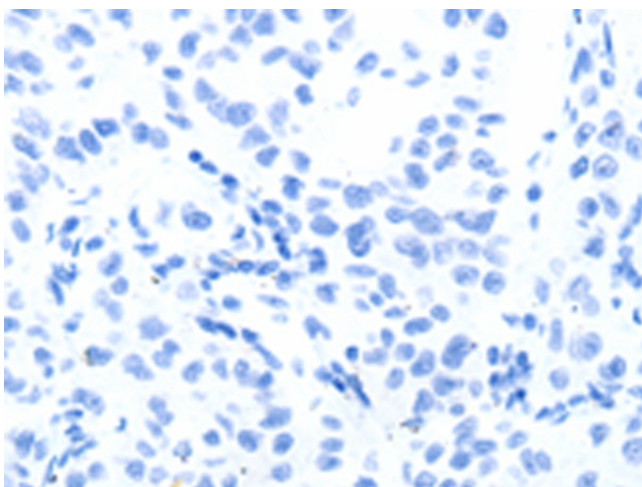
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Adipocytokine signaling pathway, Insulin signaling pathway, Type II diabetes mellitus

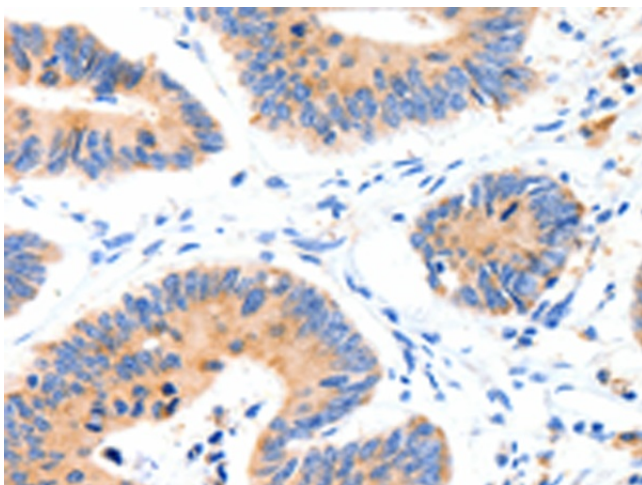
Product images:



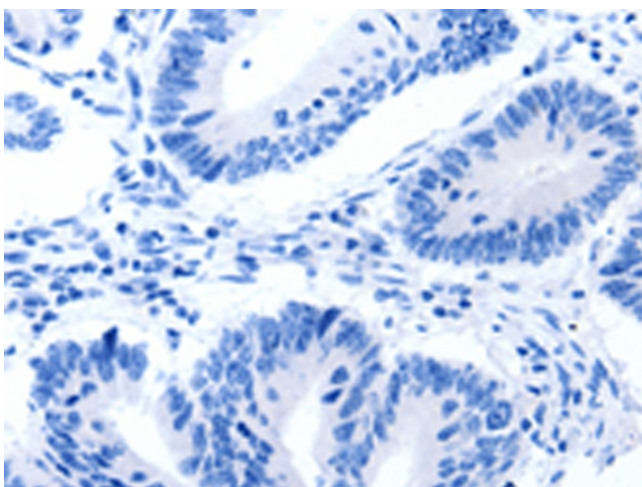
Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA323292 (SLC2A4 Antibody) at dilution 1/70 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA323292 (SLC2A4 Antibody) at dilution 1/70, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA323292 (SLC2A4 Antibody) at dilution 1/70 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA323292 (SLC2A4 Antibody) at dilution 1/70, treated with synthetic peptide. (Original magnification: $\times 200$)