

Product Datasheet

Glut4 Antibody (3G10A3) - BSA Free NBP2-22214

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-22214

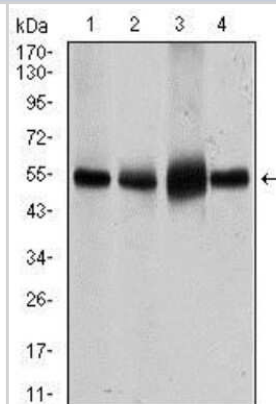
Glut4 Antibody (3G10A3) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3G10A3
Preservative	0.05% Sodium Azide
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	54.8 kDa
Product Description	
Host	Mouse
Gene ID	6517
Gene Symbol	SLC2A4
Species	Human, Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Purified recombinant fragment of human Glut4 (AA: 224-353) expressed in E. Coli.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000, CyTOF-ready
Application Notes	This antibody is Cytof ready.

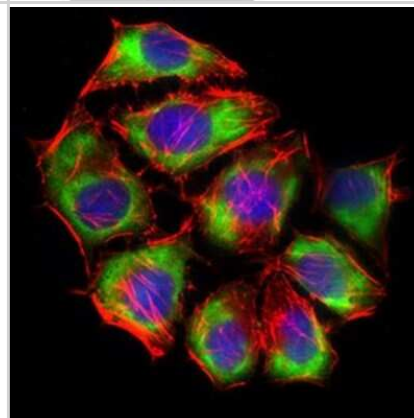


Images

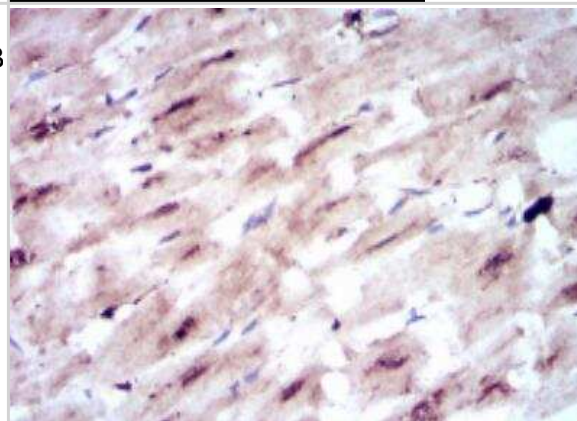
Western Blot: Glut4 Antibody (3G10A3) [NBP2-22214] - Western blot analysis using Glucose Transporter GLUT4 mouse mAb against HeLa (1), NIH3T3 (2), 3T3-L1 (3) cell lysate and Mouse heart (4) tissue lysate.



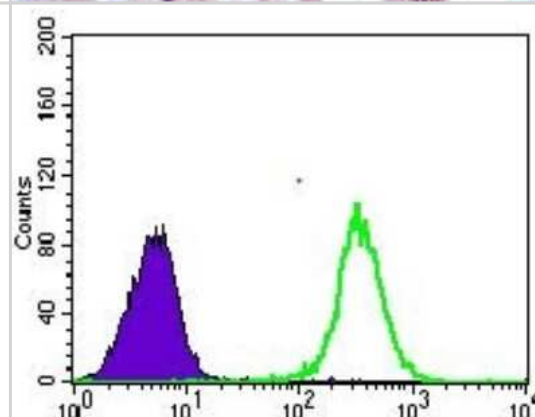
Immunocytochemistry/Immunofluorescence: Glut4 Antibody (3G10A3) [NBP2-22214] - Analysis of HepG2 cells using Glucose Transporter GLUT4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



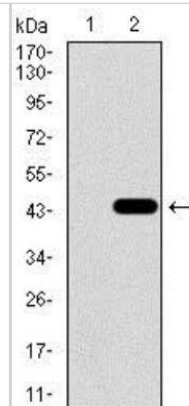
Immunohistochemistry-Paraffin: Glut4 Antibody (3G10A3) [NBP2-22214] - analysis of cardiac muscle tissues using SLC2A4 mouse mAb with DAB staining.



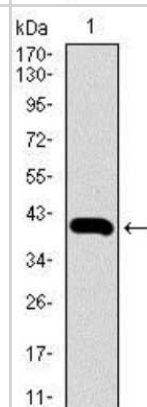
Flow Cytometry: Glut4 Antibody (3G10A3) [NBP2-22214] - Flow cytometric analysis of HeLa cells using Glucose Transporter GLUT4 mouse mAb (green) and negative control (purple).



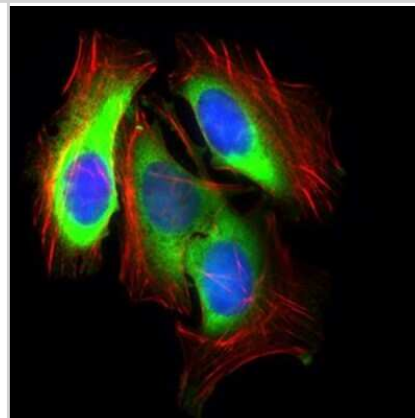
Western Blot: Glut4 Antibody (3G10A3) [NBP2-22214] - Western blot analysis using Glucose Transporter Glut4 Antibody (3G10A3)mAb against HEK293 (1) and Glucose Transporter GLUT4 (AA: 224-353)-hlgGfc transfected HEK293 (2) cell lysate.



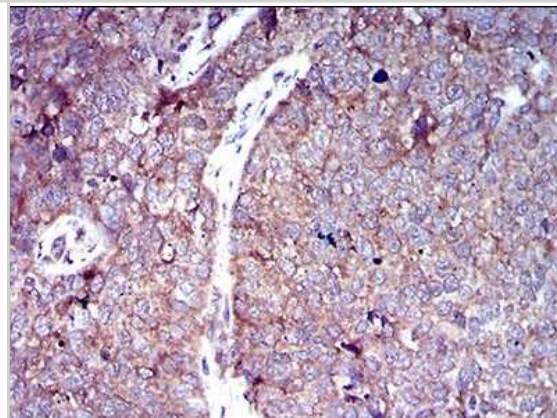
Western Blot: Glut4 Antibody (3G10A3) [NBP2-22214] - human Glucose Transporter GLUT4 recombinant protein.



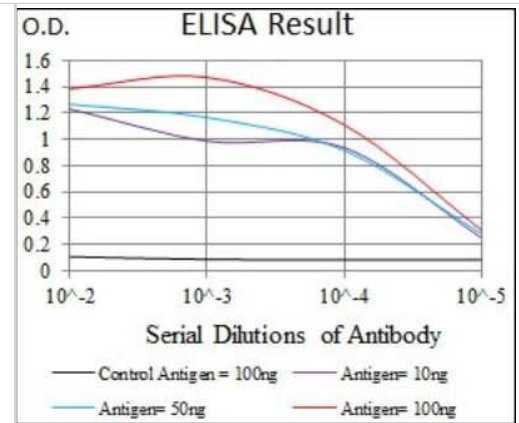
Immunocytochemistry/Immunofluorescence: Glut4 Antibody (3G10A3) [NBP2-22214] - Analysis of HeLa cells using Glucose Transporter GLUT4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunohistochemistry-Paraffin: Glut4 Antibody (3G10A3) [NBP2-22214] - Analysis of paraffin-embedded bladder cancer tissues using Glucose Transporter GLUT4 mouse mAb with DAB staining.



ELISA: Glut4 Antibody (3G10A3) [NBP2-22214] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng)



Publications

Albert V, Svensson K, Shimobayashi M et al. mTORC2 sustains thermogenesis via Akt-induced glucose uptake and glycolysis in brown adipose tissue. EMBO Mol Med. 2016-01-15 [PMID: 26772600] (WB, Mouse)



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Products Related to NBP2-22214

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP1-49533PEP	Glut4 Antibody Blocking Peptide

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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