

Product Datasheet

GLUT9 Antibody - BSA Free

NBP1-06271

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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NBP1-06271

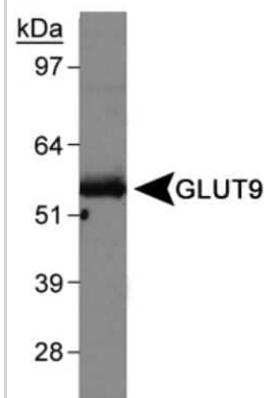
GLUT9 Antibody - BSA Free

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	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Glycine and 0.15M NaCl
Target Molecular Weight	55 kDa
Product Description	
Host	Rabbit
Gene ID	56606
Gene Symbol	SLC2A9
Species	Human, Mouse
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 26626256)
Immunogen	Synthetic peptide made to an internal portion of mouse GLUT9 (within residues 390-440). [Swiss-Prot# Q7TSK9]
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.5 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 1:200
Application Notes	In Western blot, this antibody generates a band at ~ 55 kDa. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

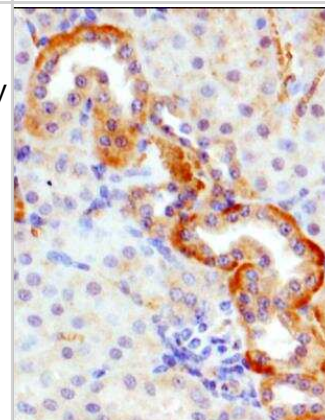


Images

Western Blot: GLUT9 Antibody [NBP1-06271] - Detection of GLUT9 in mouse kidney membrane using NBP1-06271.



Immunohistochemistry-Paraffin: GLUT9 Antibody [NBP1-06271] - IHC-P analysis of a mouse kidney section with GLUT9 antibody at 1:200 dilution. The antibody generated an expected staining with more intensity towards the basolateral membranes of renal tubular epithelial cells.



Publications

Ota-Kontani A, Hirata H, Ogura M et al. Comprehensive analysis of mechanism underlying hypouricemic effect of glucosyl hesperidin Biochem. Biophys. Res. Commun. 2019-11-08 [PMID: 31711647] (WB, Mouse)

Roma A, Ovadje P, Steckle M et al. Selective Induction of Apoptosis by Azadarichta indica Leaf Extract by Targeting Oxidative Vulnerabilities in Human Cancer Cells. J Pharm Pharm Sci. 2015-11-01 [PMID: 26626256] (WB, Human)

Details:

SOD1/Cu-Zn SOD antibody was used for WB analysis of lysates from Jurkat /E6-1 cells that were treated or not with aqueous or ethanolic Azadarichta indica/neem leaf extracts (Figure 7).

Procedures

Serum protocol for GLUT9 Antibody (NBP1-06271)

GLUT9 Antibody:

Western Blot Protocol

1. Perform SDS-PAGE (4-12% MOPS) on samples to be analyzed, loading 30 ug of total protein per lane.
2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
3. Rinse membrane with dH₂O and then stain the blot using Ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
4. Rinse the blot in TBS for approximately 5 minutes.
5. Block the membrane using 5% BSA in TBS + Tween, 1 hour at RT.
6. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
7. Dilute the rabbit anti-GLUT9 primary antibody (NBP1-06271) in blocking buffer and incubate 1 hour at room temperature.
8. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
9. Apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions (Pierce ECL).

Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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Products Related to NBP1-06271

NB820-60597	Human Kidney Membrane Tissue Lysate (Adult Membrane Normal)
NBP1-06271PEP	GLUT9 Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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