

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

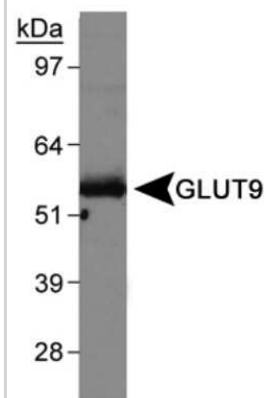
Product Description	
Description	Novus Biologicals Rabbit GLUT9 Antibody - BSA Free (NBP1-06271) is a polyclonal antibody validated for use in IHC and WB. Anti-GLUT9 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	56606
Gene Symbol	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-Paraffin, Immunohistochemistry
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.

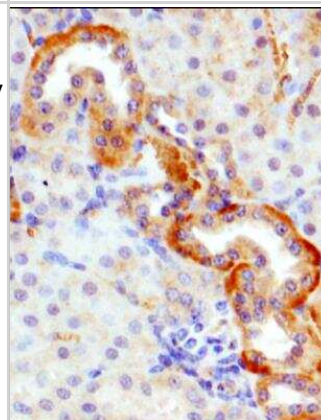


Images

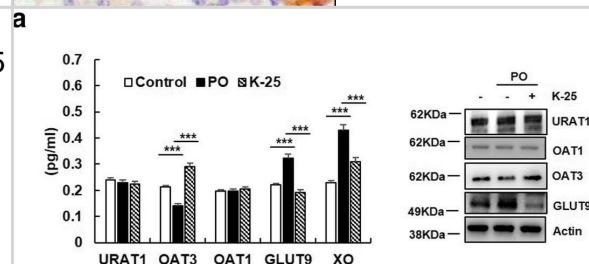
Western Blot: GLUT9 Antibody [NBP1-06271] - Detection of GLUT9 in mouse kidney membrane using NBP1-06271.



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.



Inhibition of PO-induced hyperuricemia by K-25. LLC-PK1 cells were stimulated with PO (0.25 mM) with or without pretreatment with K-25 (0.5 mg/mL). a After 24 h of incubation, OAT1, OAT3, URAT1, GLUT9, and XO were measured using an immunoblot assay. b LLC-PK1 cells were incubated with K-25 for 24 h, and the intracellular levels of OAT3 and GLUT9 transporters were analyzed using immunofluorescence analysis. Scale bar = 50 μ m. c Effect of K-25 on XO inhibition activity. Values are represented as means \pm SEM, * p < 0.05, versus the allopurinol group. The statistical significance (* p < 0.05, ** p < 0.01, *** p < 0.001) was determined using ANOVA with Bonferroni correction. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/30871515>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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 Azadirachta 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 Azadirachta 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.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-06271

NB820-60597	Human Kidney Membrane Tissue Lysate (Adult Membrane Normal)
NBP1-06271PEP	GLUT9 Antibody Blocking Peptide
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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