

Product Datasheet

GLUT10 Antibody - BSA Free NB100-490

Unit Size: 0.1 mg

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

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NB100-490

GLUT10 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS
Target Molecular Weight	52 kDa
Product Description	
Host	Rabbit
Gene ID	81031
Gene Symbol	SLC2A10
Species	Human, Mouse
Reactivity Notes	Human and mouse. Other species have not been tested.
Specificity/Sensitivity	Human GLUT10 protein.
Immunogen	A synthetic peptide containing residues 367-385 (ILSTAKKTKPHPRSGDPSA) of the human GLUT10 protein.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500-1:1000, Immunocytochemistry/ Immunofluorescence 1:10-1:2000
Application Notes	This antibody has been tested in Western blot and immunofluorescence. No other applications have been tested. Western blot - Use at 1:500 to 1:1,000 dilution. *The investigator should determine the optimal dilution. 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

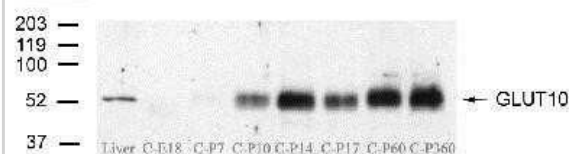
Western Blot: GLUT10 Antibody [NB100-490] - NCI-H1299 non-small cell lung tumor cells were transfected with the eukaryotic expression vectors pcDNA3.1/V5 (lanes 1,2), pCMV-GLUT10 (lanes 3,4), and pCMV-GLUT1 (lanes 5,6). GLUT10 was detected using NB100-490.



Immunocytochemistry/Immunofluorescence: GLUT10 Antibody [NB100-490] - Dissected inner ear tissues from mice immersed in 20% sucrose PBS solution (pH7.4) followed by being embedded in OCT. Tissues snap frozen in liquid nitrogen & 7um sections were cut by cryostat. Cochlear sections from organ of Corti were dissected & rinsed by 0.1% Triton in PBS (pH7.4,PBST) for 30min. Sections were blocked with 5% goat serum in PBST at RT 1hr. NB100-490 was used at 1:200 to label the cochlear sections at 4C. Sections were incubated with secondary (anti-rabbit Cy3, 1:400) RT 1 hr. Slides mounted with fluoromont G and examined under a confocal microscope. Strong immunoreactivity (red) is observed in the inner and outer hair cells and basilar membrane. Spiral ganglion neurons display moderate staining.



Western Blot: GLUT10 Antibody [NB100-490] - Cochlea from embryonic mice and mice up to 1 yr old were removed and the pure membrane fraction loaded on 4-20% SDS gel. Following electrophoresis, transfer and blocking, the blot was incubated overnight at 4C with NB100-490 at 1:500 dilution followed by incubation with secondary Ab at 1:3,000 dilution for 1h at room temp. Protein bands were visualized on x-ray film with SuperSignal west femto ECL substrate. Lane 1:10ug of protein from liver Lane 2:10ug of protein from cochlea (E18) Lane 3:10ug of protein from cochlea (P7) Lane 4:10ug of protein from cochlea (P10) Lane 5:10ug of protein from cochlea (P14) Lane 6:10ug of protein from cochlea (P17) Lane 7:10ug of protein from cochlea (P60) Lane 8:10ug of protein from cochlea (1 Year)





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Products Related to NB100-490

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-13326PEP	GLUT10 Recombinant Protein Antigen

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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