

# Product Datasheet

## Glut4 Antibody NBP1-49840

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-49840**

## Glut4 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat Glut4 Antibody (NBP1-49840) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-Glut4 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	6517
Gene Symbol	SLC2A4
Species	Human, Mouse, Rat
Reactivity Notes	Expected from sequence similarity: Bovine, Porcine
Immunogen	Peptide with sequence C-TELEYLGPDEND corresponding to C-Terminus according to NP_001033.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.3-1 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 3.75 ug/ml , Peptide ELISA Detection limit 1:16000
Application Notes	Western blot: Approx 45kDa band observed in Mouse and Rat Heart lysates (calculated MW of 54.8kDa according to Human NP_001033.1 and Mouse NP_033230.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Fischer et al, J Biol Chem. 1997 Mar 14;272(11):7085-92.; PMID: 9054401). Primary incubation was 1 hour IHC: Paraffin embedded Human Skeletal Muscle.

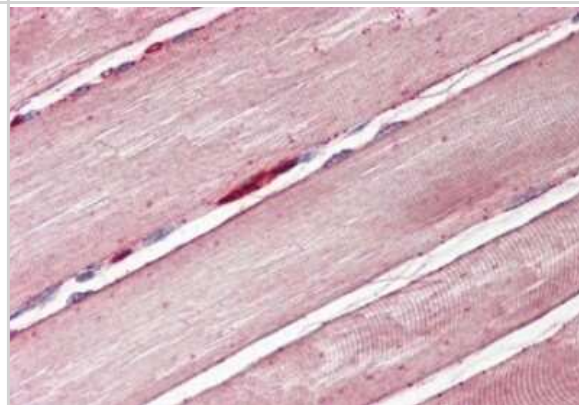


## Images

Western Blot: Glut4 Antibody [NBP1-49840] - Glucose Transporter GLUT4 expression in bovine skeletal muscle whole lysate. Image from verified customer review.



Immunohistochemistry-Paraffin: Glut4 Antibody [NBP1-49840] - 3.75ug/ml staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blot: Glut4 Antibody [NBP1-49840] - Glucose Transporter GLUT4 in Mouse Heart lysate (35ug protein in RIPA buffer) using NBP1-49840 at 1ug/ml. Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa

## Publications

Lou PH, Lucchinetti E, Hersberger M et al. Lipid Emulsion Containing High Amounts of n3 Fatty Acids (Omegaven) as Opposed to n6 Fatty Acids (Intralipid) Preserves Insulin Signaling and Glucose Uptake in Perfused Rat Hearts Anesth. Analg. 2020-01-01 [PMID: 31274599]

Hosgood HD, Menashe I, He X et al. PTEN identified as important risk factor of chronic obstructive pulmonary disease. Respir Med 2009-12-01 [PMID: 19625176]



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### Products Related to NBP1-49840

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### 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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