

# Product Datasheet

## beta-1 Adrenergic R/ADRB1 Antibody - BSA Free NBP1-59007-100ul

Unit Size: 100 ul

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

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### Publications: 6

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**NBP1-59007-100ul**

beta-1 Adrenergic R/ADRB1 Antibody - BSA Free

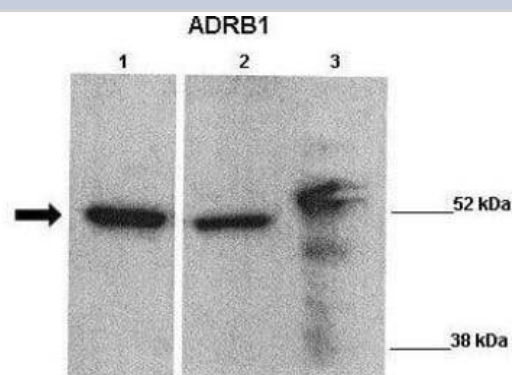
Product Information	
Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, 2% Sucrose
Target Molecular Weight	51 kDa

Product Description	
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	153
Gene Symbol	ADRB1
Species	Human, Mouse, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 30660767).
Immunogen	Synthetic peptides corresponding to ADRB1(adrenergic, beta-1-, receptor) The peptide sequence was selected from the middle region of ADRB1. Peptide sequence CTVW AISALVSFLPILMHWWRAESDEARRCYNDPKCCDFVTNRAYAIASS. The peptide sequence for this immunogen was taken from within the described region.

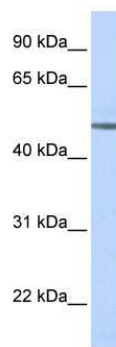
Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1.0 ug/ml

**Images**

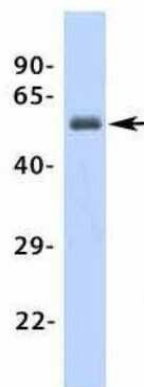
Western Blot: beta-1 Adrenergic R/ADRB1 Antibody [NBP1-59007] -  
 Positive Control: Lane 1: 20ug Wild type mouse, left ventricle Lane 2:  
 20ug Transgenic mouse, treated with experimental drug , left ventricle  
 Lane 3: 20ug HepG2 lysate



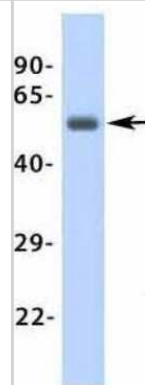
Western Blot: beta-1 Adrenergic R/ADRB1 Antibody [NBP1-59007] -  
Titration: 0.2-1 ug/ml, Positive Control: Human brain.



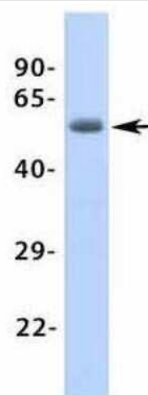
Western Blot: beta-1 Adrenergic R/ADRB1 Antibody [NBP1-59007] -  
Human Fetal Heart Antibody Dilution: 1.0ug/ml.



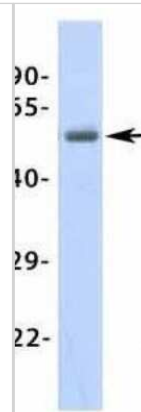
Western Blot: beta-1 Adrenergic R/ADRB1 Antibody [NBP1-59007] -  
Human Fetal Lung Antibody Dilution: 1.0ug/m.



Western Blot: beta-1 Adrenergic R/ADRB1 Antibody [NBP1-59007] -  
Human Fetal Muscle Antibody Dilution: 1.0ug/ml



Western Blot: beta-1 Adrenergic R/ADRB1 Antibody [NBP1-59007] - Human Adult Placenta Antibody Dilution: 1.0ug/ml.



## Publications

Alhamyani A, Napit PR, Bheemanapally K et al. Singular versus combinatory glucose-sensitive signal control of metabolic sensor protein profiles in hypothalamic astrocyte cultures from each sex *Translational Neuroscience* 2022-11-30 [PMID: 36518559] (Western Blot, Human)

Ibrahim MMH, Bheemanapally K, Sylvester PW, Briski KP. Norepinephrine Regulation of Adrenergic Receptor Expression, 5' AMP-Activated Protein Kinase Activity, and Glycogen Metabolism and Mass in Male Versus Female Hypothalamic Primary Astrocyte Cultures *ASN Neuro* 2020-11-12 [PMID: 33176438] (Western Blot, Human)

Alhamyani A, Napit PR, Ali H et al. Ventrolateral ventromedial hypothalamic nucleus GABA neuron adaptation to recurring Hypoglycemia correlates with up-regulated 5'-AMP-activated protein kinase activity *AIMS Neuroscience* 2021-09-03 [PMID: 34877402] (Western Blot, Human)

Alhamyani A, Mahmood ASMH, Alshamrani A et al. Central Type II Glucocorticoid Receptor Regulation of Ventromedial Hypothalamic Nucleus Glycogen Metabolic Enzyme and Glucoregulatory Neurotransmitter Marker Protein Expression in the Male Rat *J Endocrinol Diabetes* 2021-01-13 [PMID: 34258390] (Western Blot, Human)

Hasan Mahmood ASM, Mandal SK, Bheemanapally K et al. Norepinephrine control of ventromedial hypothalamic nucleus glucoregulatory neurotransmitter expression in the female rat: Role of monocarboxylate transporter function. *Mol. Cell. Neurosci.* 2019-01-17 [PMID: 30660767] (WB, Rat)

Ma X, Zhao T, Ouyang T et al. Propranolol enhanced adipogenesis instead of induction of apoptosis of hemangiomas stem cells. *Int J Clin Exp Pathol.* 2014-08-14 [PMID: 25120757] (WB, Human)



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### **Products Related to NBP1-59007-100ul**

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NB820-59397	Human Brain Corpus Callosum Whole Tissue Lysate (Adult Whole Multiple Sclerosis)
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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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