

# Product Datasheet

## SLC38A9 Antibody - BSA Free NBP1-69235

Unit Size: 100 ul

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

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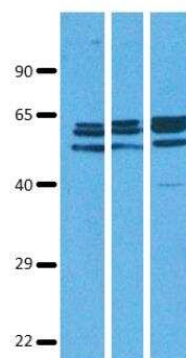
**NBP1-69235**

SLC38A9 Antibody - BSA Free

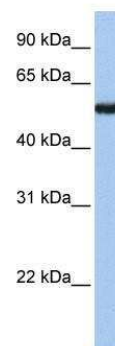
<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS, 2% Sucrose
<b>Target Molecular Weight</b>	64 kDa
<b>Product Description</b>	
<b>Description</b>	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.
<b>Host</b>	Rabbit
<b>Gene ID</b>	153129
<b>Gene Symbol</b>	SLC38A9
<b>Species</b>	Human
<b>Immunogen</b>	Synthetic peptides corresponding to FLJ90709 The peptide sequence was selected from the middle region of FLJ90709. Peptide sequence VLMSNFLFNTGKFIFNFIHHINDTDILSTNNSNPVICPSAGSGGHPDNS. The peptide sequence for this immunogen was taken from within the described region.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1.0 ug/ml, Knockout Validated
<b>Application Notes</b>	Knockout data (PMID: 29053970).

## Images

Western Blot: SLC38A9 Antibody [NBP1-69235] - Lane 1: HepG2, Lane 2: HeLa, Lane 3: HEK293T (25 ug loaded per lane). Concentration of antibody: 1 ug/ml



Western Blot: SLC38A9 Antibody [NBP1-69235] - This Anti-FLJ90709 antibody was used in Western Blot of Jurkat tissue lysate at a concentration of 1ug/ml.



## Publications

Delong Meng, Qianmei Yang, Mi-Hyeon Jeong, Adna Curukovic, Shweta Tiwary, Chase H. Melick, Tshering D. Lama-Sherpa, Huanyu Wang, Mariela Huerta-Rosario, Greg Urquhart, Lauren G. Zacharias, Cheryl Lewis, Ralph J. DeBerardinis, Jenna L. Jewell SNAT7 regulates mTORC1 via macropinocytosis *Proceedings of the National Academy of Sciences of the United States of America* 2022-05-13 [PMID: 35561222]

He J, Lin M, Zhang X et al. TET2 is required to suppress mTORC1 signaling through urea cycle with therapeutic potential *Cell Discovery* 2023-08-08 [PMID: 37550284] (Block/Neutralize)

Fong MY, Yan W, Ghassemian M et al. Cancer-secreted miRNAs regulate amino-acid-induced mTORC1 signaling and fibroblast protein synthesis *EMBO reports* 2020-12-20 [PMID: 33345445]

Wyant GA, Abu-Remaileh M, Wolfson RL et al. mTORC1 Activator SLC38A9 Is Required to Efflux Essential Amino Acids from Lysosomes and Use Protein as a Nutrient. *Cell*. 2017-10-19 [PMID: 29053970] (WB, KO, Human)



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### **Products Related to NBP1-69235**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-92403PEP	SLC38A9 Recombinant Protein Antigen

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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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