

Product Datasheet

SLC41A1 Antibody - BSA Free NBP1-82652

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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NBP1-82652

SLC41A1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

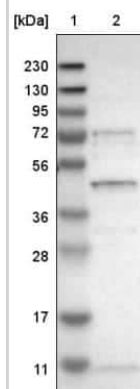
Product Description	
Description	Novus Biologicals Rabbit SLC41A1 Antibody - BSA Free (NBP1-82652) is a polyclonal antibody validated for use in IHC and WB. Anti-SLC41A1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	254428
Gene Symbol	SLC41A1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: QASRISTFLHMNGMPGENSEQAPRRCPSPCTTFFSPDVNSRSAR

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

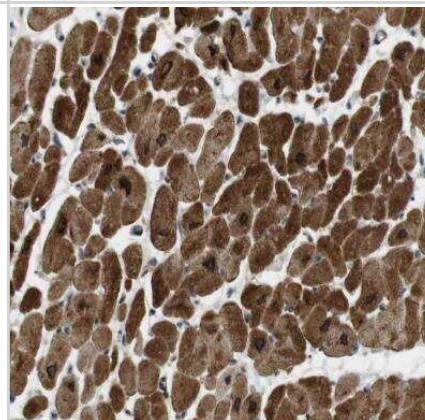


Images

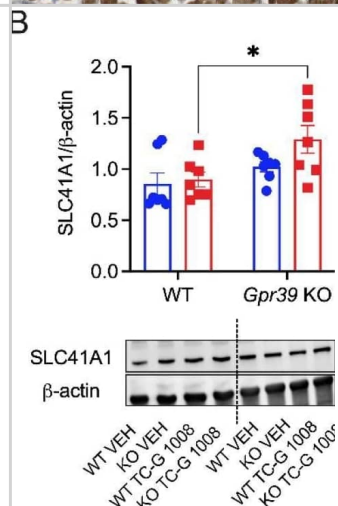
Western Blot: SLC41A1 Antibody [NBP1-82652] - Lane 1: Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11. Lane 2: Human cell line RT-536



Immunohistochemistry-Paraffin: SLC41A1 Antibody [NBP1-82652] - Staining of human heart muscle shows strong cytoplasmic and nuclear positivity in myocytes.



The effects of the PTZ kindling model and chronic treatment with TC-G 1008 (10 mg/kg i.p.) in Gpr39-KO or WT (C57BL/6/Tar × CBA/Tar) mice on the expression of the proteins TRPM7 (A) and SLC41A1 (B) in the hippocampus. Protein expression was examined at 24 h after the completion of the model. Data are expressed as means \pm SEM. Data were analyzed by two-way ANOVA and Tukey's multiple comparison test. Statistical details: (A) genotype effect [F(1,23) = 4.411, p = 0.0469]; drug effect [F(1,23) = 5.521, p = 0.0277]; genotype \times drug effect [F(1,23) = 6.937, p = 0.0148] (B) genotype effect [F(1,24) = 8.407, p = 0.0079]; drug effect [F(1,24) = 2.592, p = 0.1205]; genotype \times drug effect [F(1,24) = 1.358, p = 0.2554] (by two-way ANOVA). * p < 0.05 (by Tukey's multiple comparison test). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35805072>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Liu Y, Song C, Zhang L et al. LPS-Induced Mitochondrial Damage via SLC41A1-Mediated Magnesium Ion Efflux Leads to the Pyroptosis of Dental Stem Cells. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany) 2025-08-19 [PMID: 40831212]

Huang L, Lin R, Zhang C et al. Magnesium sulfate protects retinal dopaminergic neurons in rats with 6-OHDA-induced Parkinsons disease *Research Square* 2023-10-27 (Western Blot, Rat)

Doboszewska U, Socala K, PierOg M et al. The Effects and Mechanisms of Action of TC-G 1008, GPR39 Agonist, in Animal Models of Seizures and Epilepsy Cells 2022-07-09 [PMID: 35805072] (WB, Mouse)



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Products Related to NBP1-82652

NBP1-82652PEP	SLC41A1 Recombinant Protein Antigen
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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