

# Product Datasheet

## KCC4/SLC12A7 Antibody - BSA Free NBP1-85133

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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### Publications: 2

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**NBP1-85133**

KCC4/SLC12A7 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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

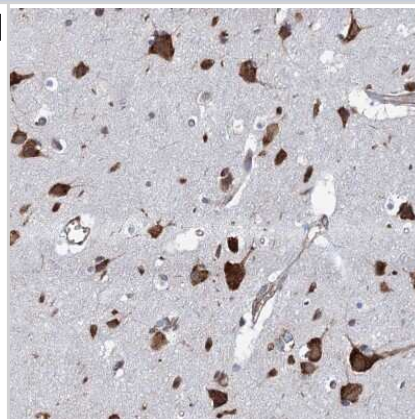
Product Description	
Host	Rabbit
Gene ID	10723
Gene Symbol	SLC12A7
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in (PMID:31911626). Rat (82%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: AARTQAPPTPDKVQMTWTREKLIAEKYRSRDTSLSGFKDLFSMKPDQSNV

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Reported in PMID (31911626), Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

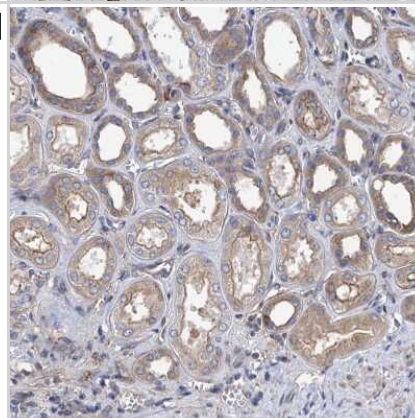


## Images

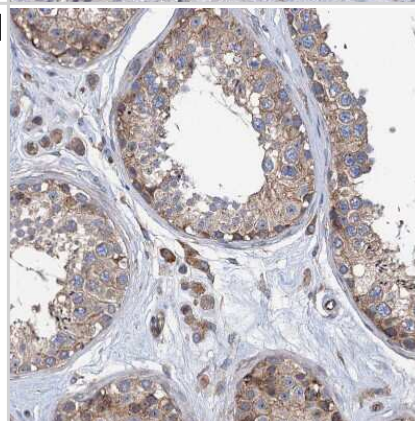
Immunohistochemistry-Paraffin: KCC4/SLC12A7 Antibody [NBP1-85133]  
- Staining of human cerebral cortex shows strong cytoplasmic positivity in neurons.



Immunohistochemistry-Paraffin: KCC4/SLC12A7 Antibody [NBP1-85133]  
- Staining of human kidney shows moderate cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: KCC4/SLC12A7 Antibody [NBP1-85133]  
- Staining of human testis shows moderate cytoplasmic positivity in cells in seminiferous ducts and Leydig cells.



## Publications

Zhang J, Bhuiyan MIH, Zhang T et al. Modulation of brain cation-Cl<sup>-</sup> cotransport via the SPAK kinase inhibitor ZT-1a Nat Commun 2020-01-07 [PMID: 31911626] (WB, Human, Mouse)

Brown TC, Murtha TD, Rubinstein JC et al. SLC12A7 alters adrenocortical carcinoma cell adhesion properties to promote an aggressive invasive behavior Cell Commun Signal. [PMID: 29884238] (WB, Human)



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### **Products Related to NBP1-85133**

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NBP1-85133PEP	KCC4/SLC12A7 Recombinant Protein Antigen
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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