

# Product Datasheet

## SLC22A2/OCT2 Antibody - BSA Free NBP1-89417

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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**NBP1-89417**

SLC22A2/OCT2 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<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>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol
<b>Target Molecular Weight</b>	63 kDa

**Product Description**

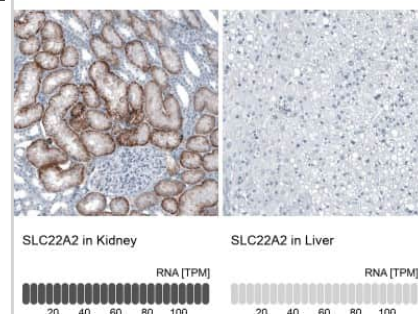
<b>Host</b>	Rabbit
<b>Gene ID</b>	6582
<b>Gene Symbol</b>	SLC22A2
<b>Species</b>	Human, Rat
<b>Reactivity Notes</b>	Mouse (84%). Rat reactivity reported in scientific literature (PMID:24887156).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: ESPRWLISQNKNAEAMRIIKHIAKKNKGKSLPASLQRLRLEEETGKKLNPSFLDLV RTPQIR

**Product Application Details**

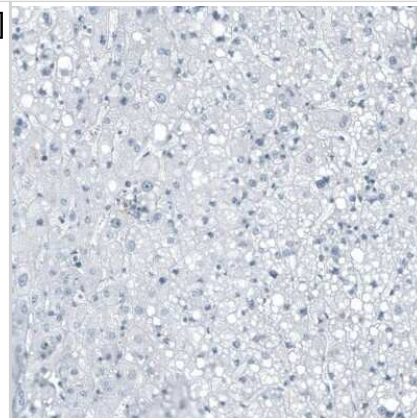
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Single Cell Western
<b>Recommended Dilutions</b>	Western Blot Reactivity reported in scientific literature (PMID: 26045896), Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000, Single Cell Western Single Cell Western reported by an internal validation at a 1:20 dilution
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

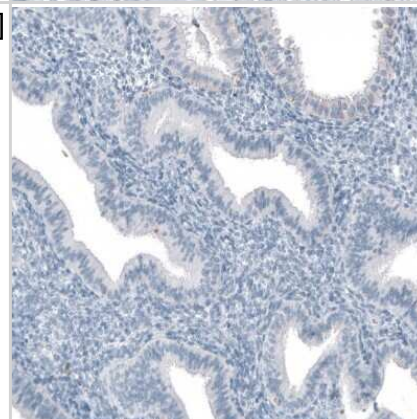
Immunohistochemistry-Paraffin: SLC22A2/OCT2 Antibody [NBP1-89417]  
- Analysis in human kidney and liver tissues. Corresponding SLC22A2 RNA-seq data are presented for the same tissues.



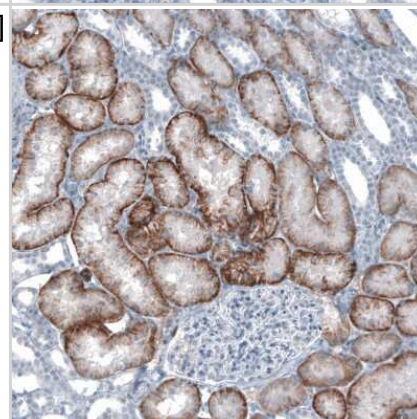
Immunohistochemistry-Paraffin: SLC22A2/OCT2 Antibody [NBP1-89417]  
- Staining of human liver shows no positivity in hepatocytes as expected.



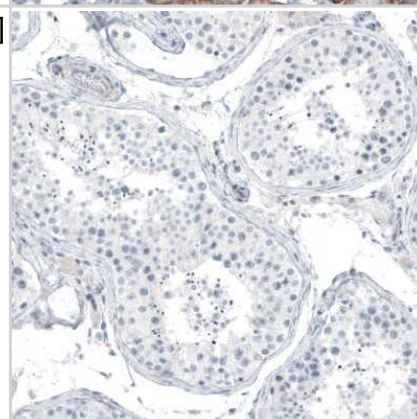
Immunohistochemistry-Paraffin: SLC22A2/OCT2 Antibody [NBP1-89417]  
- Staining of human endometrium shows no positivity in glandular cells as expected.



Immunohistochemistry-Paraffin: SLC22A2/OCT2 Antibody [NBP1-89417]  
- Staining of human kidney shows moderate to strong cytoplasmic/membranous positivity in cells in tubules.



Immunohistochemistry-Paraffin: SLC22A2/OCT2 Antibody [NBP1-89417]  
- Staining of human testis shows no positivity in cells in seminiferous ducts as expected.



## Publications

Li X, Cui P, Jiang HY et al. Reversing the reduced level of endometrial GLUT4 expression in polycystic ovary syndrome: a mechanistic study of metformin action. *Am J Transl Res* 2015-01-01 [PMID: 26045896] (WB, Human)

Shao R, Li X, Feng Y, Lin JF, Billig H. Direct effects of metformin in the endometrium: a hypothetical mechanism for the treatment of women with PCOS and endometrial carcinoma. *J Exp Clin Cancer Res* 2014-05-11 [PMID: 24887156] (IF/IHC, Rat)





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### **Products Related to NBP1-89417**

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NBP1-89417PEP	SLC22A2/OCT2 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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