

# Product Datasheet

## OCTN1/SLC22A4 Antibody - Azide and BSA Free H00006583-A01

Unit Size: 0.05 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00006583-A01**

OCTN1/SLC22A4 Antibody - Azide and BSA Free

Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Unpurified
Buffer	50 % glycerol

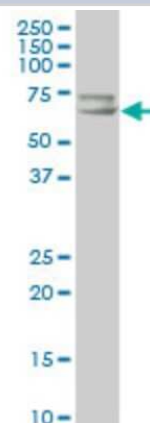
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	6583
Gene Symbol	SLC22A4
Species	Human, Mouse, Rat, Canine
Reactivity Notes	Mouse reactivity reported from customer review. Rat reactivity reported in scientific literature (PMID: 27023905). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	solute carrier family 22 (organic cation transporter), member 4
Immunogen	SLC22A4 (NP_003050, 43 a.a. - 141 a.a.) partial recombinant protein with GST tag. AGTPEHRCRVPDAANLSSAWRNNSVPLRLRDGREVPHSCSRYLATIANFSALGLEPGRDVDLGQLEQESCLDGWEFSQDVYLSTVVTWNLVCEDNWK
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry Whole-Mount
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen, Immunohistochemistry Whole-Mount
Application Notes	Antibody reactivity against Mouse cell lysate and tissue for WB reported from review. It has been used for ELISA. IHC-FF and IHC-WM usages reported in scientific literature (PMID: 27023905). Use in Immunocytochemistry/Immunofluorescence and Immunohistochemistry-frozen reported in scientific literature (PMID:27023905).



## Images

Western Blot: OCTN1/SLC22A4 Antibody [H00006583-A01] - Analysis of SLC22A4 expression in Daoy.



## Publications

Gyawali A, Hyeon SJ, Ryu H, Kang YS The Alteration of L-Carnitine Transport and Pretreatment Effect under Glutamate Cytotoxicity on Motor Neuron-Like NSC-34 Lines Pharmaceuticals 2021-04-14 [PMID: 33919926] (IF/IHC, Mouse)

Hubeny A, Keiser MW, Oswald S et al. Expression of OATP1A2 in red blood cells and its potential impact on antimalarial therapy. Drug Metab Dispos 2016-08-08 [PMID: 27504015]

Ben Said M, Grati M, Ishimoto T et al. A mutation in SLC22A4 encoding an organic cation transporter expressed in the cochlea stria endothelium causes human recessive non-syndromic hearing loss DFN60. Hum. Genet. 2016-05-01 [PMID: 27023905] (ICC/IF, IHC-WhMt, WB, IHC-Fr, Human, Rat)

### Details:

Mouse polyclonal antibody for SLC22A4 was used at 1:2000 dilution for the WB analysis of Rat liver and kidney (Fig. 2). The antibody was used for ICC/IF analysis also for confirming the localization of SLC22A4 in COS7 cells expressing SLC22A4-GFP (GFP & s



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### **Products Related to H00006583-A01**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97019-5mg	Mouse IgG Isotype Control
210-TA-005	TNF-alpha [Unconjugated]

### **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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