

# Product Datasheet

## SLC39A7/ZIP7 Antibody - BSA Free NBP1-76504

Unit Size: 0.1 mg

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

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**NBP1-76504**

SLC39A7/ZIP7 Antibody - BSA Free

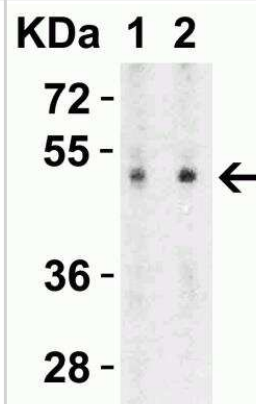
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	50 kDa

Product Description	
Host	Rabbit
Gene ID	7922
Gene Symbol	SLC39A7
Species	Human, Mouse, Rat
Specificity/Sensitivity	Human SLC39A7/ZIP7 has one isoform (469aa, 50kD). Mouse SLC39A7/ZIP7 has one isoform (476aa, 51kD) and Rat SLC39A7/ZIP7 also has one isoform (468aa, 50kD). NBP1-76504 can detect human, mouse and rat.
Immunogen	Antibody was raised against a peptide corresponding to 17 amino acids near the amino terminus of human SLC39A7/ZIP7. The immunogen is located within amino acids 20-70 of SLC39A7/ZIP7. Amino Acid Sequence: HDDLQEDFHGHSRHS

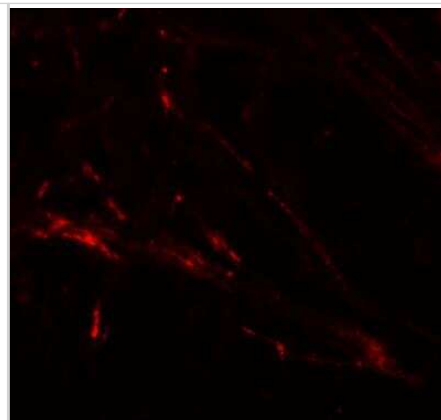
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.5-1 ug/mL, ELISA 1:100-1:2000, Immunohistochemistry 2.5 ug/mL, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 2.5 ug/ml

**Images**

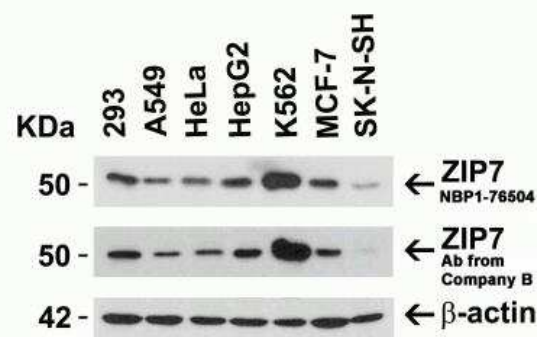
Western Blot: SLC39A7/ZIP7 Antibody [NBP1-76504] - Western Blot Validation in Rat Brain Tissue Lysate. Loading: 15 ug of lysates per lane. Antibodies: ZIP7, NBP1-76504 (Lane 1: 0.5 ug/mL and Lane 2: 1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



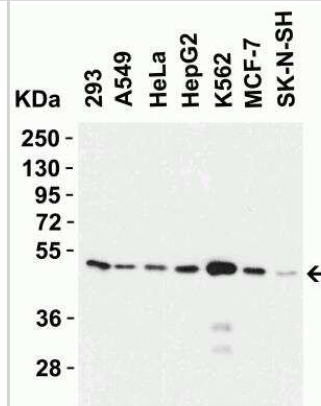
Immunocytochemistry/Immunofluorescence: SLC39A7/ZIP7 Antibody [NBP1-76504] - Immunofluorescence of ZIP7 in human brain tissue with ZIP7 antibody at 20 ug/mL.



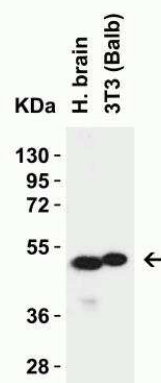
Western Blot: SLC39A7/ZIP7 Antibody [NBP1-76504] - Independent Antibody Validation (IAV) via Protein Expression Profile in Human Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: ZIP7, NBP1-76504 (1 ug/mL), ZIP7 from Company B (4 ug/mL), and beta-actin (1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



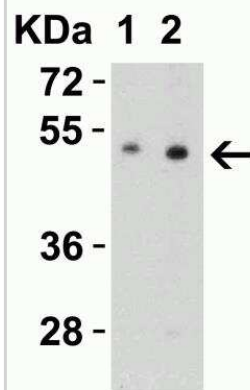
Western Blot: SLC39A7/ZIP7 Antibody [NBP1-76504] - Western Blot Validation in Human Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: ZIP7, NBP1-76504 (1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



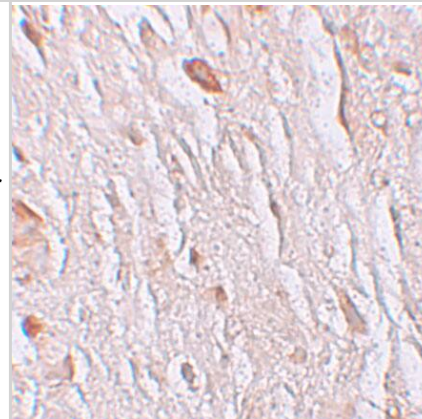
Western Blot: SLC39A7/ZIP7 Antibody [NBP1-76504] - Western Blot Validation in Human Brain Tissue and 3T3 (Balb) Cell Lysate. Loading: 15 ug of lysates per lane. Antibodies: ZIP7, NBP1-76504 (1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot: SLC39A7/ZIP7 Antibody [NBP1-76504] - Western Blot Validation in Mouse Brain Tissue Lysate. Loading: 15 ug of lysates per lane. Antibodies: ZIP7, NBP1-76504 (Lane 1: 0.5 ug/mL and Lane 2: 1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunohistochemistry: SLC39A7/ZIP7 Antibody - BSA Free [NBP1-76504] - Figure 6 Immunohistochemistry Validation of SLC39A7/ZIP7 in Human Brain Tissue Immunohistochemical analysis of paraffin-embedded human brain tissue using anti-SLC39A7/ZIP7 antibody at 2.5 u/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.





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### **Products Related to NBP1-76504**

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NBP1-76504PEP	SLC39A7/ZIP7 Antibody Blocking Peptide
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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