

For Research Use Only

SLC13A3 Polyclonal antibody

Catalog Number: 26184-1-AP



Basic Information

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| Catalog Number: 26184-1-AP | GenBank Accession Number: BC035966 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 1200 µg/ml by Nanodrop and 480 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 64849 | Recommended Dilutions: IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB |
| Source: Rabbit | Full Name: solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3 | IHC 1:200-1:4000 |
| Isotype: IgG | Calculated MW: 602 aa, 67 kDa | |
| Immunogen Catalog Number: AG24182 | Observed MW: 65-70 kDa | |

Applications

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| Tested Applications: IHC, IP, ELISA | Positive Controls: IP: mouse kidney tissue, IHC: human kidney tissue, |
| Species Specificity: human, mouse | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

Background Information

SLC13A3, also named NADC3 and SDCT2, belongs to the SLC13A/DASS transporter (TC 2.A.47) family and NADC subfamily. SLC13A3 encodes the plasma membrane Na⁺ /Dicarboxylate Cotransporter 3 (NaDC3), which imports inside the cell four to six carbon dicarboxylates as well as N-acetylaspartate (NAA). SLC13A3 is mainly expressed in kidney, but also in brain, liver, placenta and eye (PMID: 30635937).

Storage

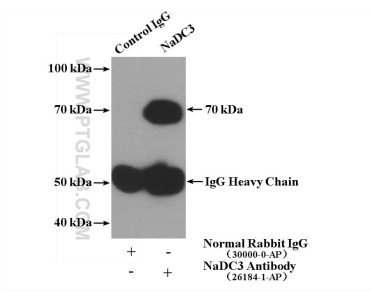
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

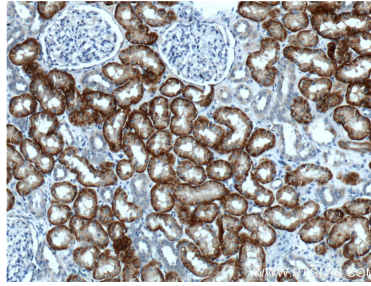
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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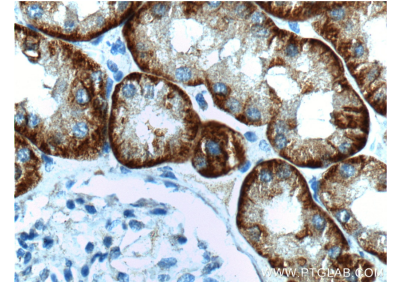
Selected Validation Data



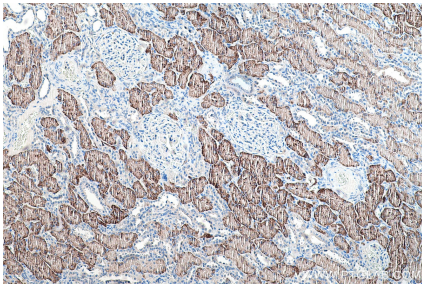
IP Result of anti-NaDC3 (IP:26184-1-AP, 4ug; Detection:26184-1-AP 1:500) with mouse kidney tissue lysate 4000ug.



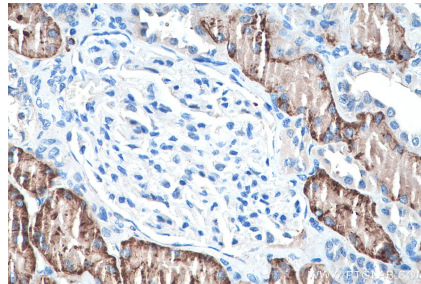
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 26184-1-AP (NaDC3 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 26184-1-AP (NaDC3 antibody at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 26184-1-AP (SLC13A3 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 26184-1-AP (SLC13A3 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).