

For Research Use Only

# STX3 Monoclonal antibody

Catalog Number: 66760-1-Ig **1 Publications**



## Basic Information

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| <b>Catalog Number:</b><br>66760-1-Ig   | <b>GenBank Accession Number:</b><br>BC007405 | <b>Purification Method:</b><br>Protein G purification                |
| <b>Size:</b><br>150ul , Concentration: 1800 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>6809                | <b>CloneNo.:</b><br>1B9C7  |
| <b>Source:</b><br>Mouse  | <b>UNIPROT ID:</b><br>Q13277                 | <b>Recommended Dilutions:</b><br>WB 1:1000-1:6000<br>IHC 1:150-1:600 |
| <b>Isotype:</b><br>IgG1  | <b>Full Name:</b><br>syntaxin 3              |  |
| <b>Immunogen Catalog Number:</b><br>AG7805   | <b>Calculated MW:</b><br>33 kDa              |  |
|  | <b>Observed MW:</b><br>35 kDa                |  |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>WB, IHC, ELISA  | <b>Positive Controls:</b>   |
| <b>Cited Applications:</b><br>WB, IHC  | <b>WB :</b> HEK-293 cells, HSC-T6 cells, rat brain tissue, SH-SY5Y cells, NIH/3T3 cell, RAW 264.7 cell, HepG2 cells |
| <b>Species Specificity:</b><br>Human, rat, mouse   | <b>IHC :</b> human kidney tissue,   |
| <b>Cited Species:</b><br>human   |   |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |   |

## Background Information

Syntaxin-3 (also known as STX3) is a member of the syntaxin. Syntaxin-3 is a significant apical targeting protein in the epithelial membrane and in exocytosis process; it also acts as a vesicle transporter by cellular receptor in neutrophils, which is crucial for protein trafficking event (PMID: 25630102). It has been reported that syntaxin-3 has an important role in the growth of neurites, and serves as a direct target for omega-6 arachidonic acid (PMID: 1659826).

## Notable Publications

| Author             | Pubmed ID | Journal    | Application |
|--------------------|-----------|------------|-------------|
| Takahiro Shinozuka | 38014487  | Cancer Med | IHC, WB     |

## Storage

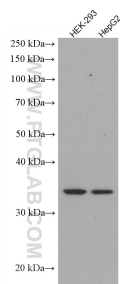
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

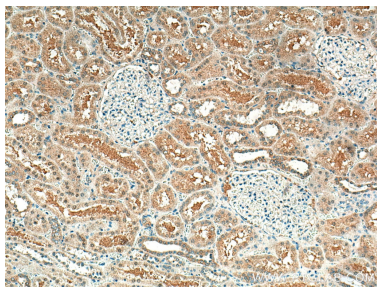
For technical support and original validation data for this product please contact:  
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E: proteintech@ptglab.com  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

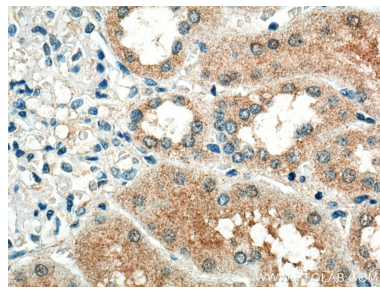
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66760-1-Ig (STX3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66760-1-Ig (STX3 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66760-1-Ig (STX3 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).