

Datasheet for ABIN2774260
anti-Syntaxin 4 antibody (C-Term)

2 Images

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Overview

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| Quantity: | 100 µL |
| Target: | Syntaxin 4 (STX4) |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Mouse, Rat, Pig, Rabbit, Cow, Dog, Horse, Guinea Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Syntaxin 4 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the C terminal region of human STX4 |
| Sequence: | VEMQGEMINR IEKNILSSAD YVERGQEHVK TALENQKKAR KKKVLIAICV |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 91%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 93% |
| Characteristics: | This is a rabbit polyclonal antibody against STX4. It was validated on Western Blot. |
| Purification: | Affinity Purified |

Target Details

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| Target: | Syntaxin 4 (STX4) |
| Alternative Name: | STX4 (STX4 Products) |

Target Details

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| Background: | <p>STX4 is a plasma membrane t-SNARE that mediates docking of transport vesicles. STX4 is necessary for the translocation of SLC2A4 from intracellular vesicles to the plasma membrane. Together with STXB3 and VAMP2, STX4 may also play a role in docking/fusion of intracellular GLUT4-containing vesicles with the cell surface in adipocytes . STX4 may also play a role in docking of synaptic vesicles at presynaptic active zones.</p> <p>Alias Symbols: STX4A, p35-2</p> <p>Protein Interaction Partner: BET1, STX6, GOSR2, STX8, VAMP3, STX16, VAMP4, STX7, UBC, VAMP2, VAMP1, STX5, STX4, STX3, PSMA3, SNAP47, CYBRD1, NAPB, GIMAP5, SEC22A, STX12, VAMP5, VTI1B, UBL4A, FN1, NDUFB9, ABCC1, SLC25A10, ANXA3, SNAP23, ITSN2, SNAP25, STXBP4, SYT7, TXLNB, STXBP3, TXLN</p> <p>Protein Size: 297</p> |
| Molecular Weight: | 34 kDa |
| Gene ID: | 6810 |
| NCBI Accession: | NM_004604 , NP_004595 |
| UniProt: | Q12846 |
| Pathways: | Synaptic Vesicle Exocytosis |

Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 297 AA |
| Restrictions: | For Research Use only |

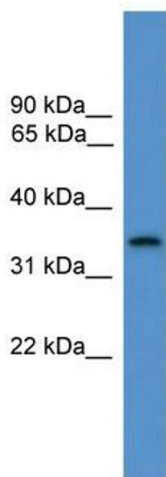
Handling

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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |

Handling

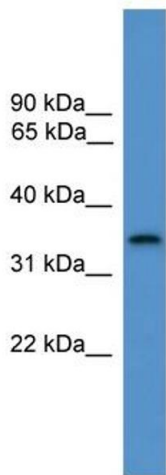
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|------------------|---|
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



Western Blotting

Image 1. WB Suggested Anti-STX4 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Human Muscle



Rabbit Anti-STX4 Antibody
Catalog Number: ARP59534
Lot Number: QC30495
Lane: Fetal Muscle Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-STX4
Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1::2500
Positive Control: Human Muscle