



[Go to Product page](#)

Datasheet for ABIN675715
anti-WNK3 antibody (AA 451-550) (Biotin)

Overview

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| Quantity: | 100 µL |
| Target: | WNK3 |
| Binding Specificity: | AA 451-550 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This WNK3 antibody is conjugated to Biotin |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human WNK3 protein |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Rat |
| Predicted Reactivity: | Mouse,Cow,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | WNK3 |
| Alternative Name: | WNK3 protein (WNK3 Products) |

Target Details

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| Background: | <p>Synonyms: PRKWINK3, Serine/threonine-protein kinase WNK3, Protein kinase lysine-deficient 3, Protein kinase with no lysine 3, WNK3, KIAA1566</p> <p>Background: Serine/threonine kinase which plays an important role in the regulation of electrolyte homeostasis, cell signaling, survival and proliferation. Acts as an activator and inhibitor of sodium-coupled chloride cotransporters and potassium-coupled chloride cotransporters respectively. Phosphorylates WNK4. Regulates the phosphorylation of SLC12A1 and SLC12A2. Increases Ca(2+) influx mediated by TRPV5 and TRPV6 by enhancing their membrane expression level via a kinase-dependent pathway. Inhibits the activity of KCNJ1 by decreasing its expression at the cell membrane in a non-catalytic manner. Isoform 1, isoform 2, isoform 3 and isoform 4 stimulate the activity of SLC12A1, SLC12A2 and SLC12A3 and inhibit the activity of SLC12A4, SLC12A5, SLC12A6 and SLC12A7. According to PubMed:19470686, isoform 1 inhibits the activity of SLC12A3.</p> |
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| Gene ID: | 65267 |
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| UniProt: | Q9BYP7 |
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Application Details

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| Application Notes: | WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500 |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C for 12 months. |

Handling

Expiry Date: 12 months