

Datasheet for ABIN920031

**anti-WNK3 antibody (AA 451-550) (AbBy Fluor® 555)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                            |
| Target:              | WNK3                                                                                                                              |
| Binding Specificity: | AA 451-550                                                                                                                        |
| Reactivity:          | Human, Rat                                                                                                                        |
| Host:                | Rabbit                                                                                                                            |
| Clonality:           | Polyclonal                                                                                                                        |
| Conjugate:           | This WNK3 antibody is conjugated to AbBy Fluor® 555                                                                               |
| Application:         | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)),<br>Immunofluorescence (Cultured Cells) (IF (cc)) |

## Product Details

|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| 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

|                   |                                                |
|-------------------|------------------------------------------------|
| Target:           | WNK3                                           |
| Alternative Name: | Wnk3 Protein ( <a href="#">WNK3 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: PRKWNK3, 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: | <a href="#">Q9BYP7</a> |
|----------|------------------------|

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
|--------------------|--------------------------------------------------------------|

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|         |        |
|---------|--------|
| Format: | Liquid |
|---------|--------|

|                |         |
|----------------|---------|
| Concentration: | 1 µg/µL |
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|         |                                                                                                             |
|---------|-------------------------------------------------------------------------------------------------------------|
| 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. |
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|          |        |
|----------|--------|
| Storage: | -20 °C |
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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
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## Handling

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Expiry Date: 12 months