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## Datasheet for ABIN2747913

### WNK1 ELISA Kit

#### Overview

Quantity:	96 tests
Target:	WNK1
Binding Specificity:	pThr60
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

#### Product Details

Purpose:	Human Phospho-WNK1 (T60) ELISA Kit. This assay semi-quantitatively measures phosphorylated WNK1 (Thr60) in lysate samples.
Sample Type:	Cell Lysate, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	The antibody pair provided in this kit recognizes human WNK1 phosphorylated at site Threonine-60
Characteristics:	<ul style="list-style-type: none"><li>• Rapidly measure phosphorylated protein in lysates</li><li>• Screen numerous different cell lysates without performing a Western Blot analysis</li><li>• Minimal hands-on time, convenient, and non-radioactive material</li></ul>
Components:	<ul style="list-style-type: none"><li>• Pre-Coated 96-well Strip Microplate</li><li>• Wash Buffer</li><li>• Anti-Phospho Antibody</li></ul>

## Product Details

- HRP-Conjugated Secondary Antibody
- Assay Diluent
- TMB One-Step Substrate
- Stop Solution
- Lysis Buffer
- Positive Control Sample

### Material not included:

- Distilled or deionized water
- 100 mL and 1 liter graduated cylinders
- Tubes to prepare sample dilutions
- Protease and Phosphatase inhibitors
- Precision pipettes to deliver 2 µL to 1 mL volumes
- Adjustable 1-25 mL pipettes for reagent preparation
- Benchtop rocker or shaker
- Microplate reader capable of measuring absorbance at 450 nm

## Target Details

Target:	WNK1
Alternative Name:	WNK1 ( <a href="#">WNK1 Products</a> )
Background:	WNK Lysine-deficient Protein Kinase 1 (WNK1, KDP, PHA2C, PRKWNK1) phosphorylated at Threonine-60
Gene ID:	65125
UniProt:	<a href="#">Q9H4A3</a>

## Application Details

Sample Volume:	100 µL
Plate:	Pre-coated
Protocol:	<ol style="list-style-type: none"><li>1. Prepare all reagents and samples as instructed in the manual.</li><li>2. Add 100 µL of sample or positive control to each well.</li><li>3. Incubate 2.5 h at RT or O/N at 4 °C.</li><li>4. Add 100 µL of prepared primary antibody to each well.</li><li>5. Incubate 1 h at RT.</li><li>6. Add 100 µL of prepared 1X HRP-Streptavidin to each well.</li><li>7. Incubate 1 h at RT.</li><li>8. Add 100 µL of TMB One-Step Substrate Reagent to each well.</li><li>9. Incubate 30 min at RT.</li></ol>

## Application Details

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10. Add 50 µL of Stop Solution to each well.
11. Read at 450 nm immediately.

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Assay Procedure:	<p>Prepare all reagents and samples as instructed in the manual.</p> <p>Add 100 µL of sample or positive control to each well.</p> <p>Incubate 2.5 h at RT or O/N at 4 °C.</p> <p>Add 100 µL of prepared primary antibody to each well.</p> <p>Incubate 1 h at RT.</p> <p>Add 100 µL of prepared 1X HRP-Streptavidin to each well.</p> <p>Incubate 1 h at RT.</p> <p>Add 100 µL of TMB One-Step Substrate Reagent to each well.</p> <p>Incubate 30 min at RT.</p> <p>Add 50 µL of Stop Solution to each well.</p> <p>Read at 450 nm immediately.</p>
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Restrictions:	For Research Use only
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## Handling

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Storage:	-20 °C
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Storage Comment:	Upon receipt, the kit should be stored at -20 °C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), HRP-Streptavidin (Item G), Stop Solution (Item I) and Cell Lysate Buffer (Item J) should be stored at 4 °C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20 °C. Reconstituted Positive Control (Item K) should be stored at -70 °C.
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Expiry Date:	6 months
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