

Datasheet for ABIN5674854  
**ATP1B4 ELISA Kit**



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## Overview

Quantity:	96 tests
Target:	ATP1B4
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	78.125 pg/mL - 5000 pg/mL
Minimum Detection Limit:	78.125 pg/mL
Application:	ELISA

## Product Details

Sample Type:	Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	27.8 pg/mL
Components:	Pre-coated, ready to use 96-well strip plate Standard (freeze dried) Standard Diluent Detection Reagent A Detection Reagent B Assay Diluent A Assay Diluent B TMB Substhumane

## Product Details

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Stop Solution  
Wash Buffer(30 x concenthumane)  
Plate sealer for 96 wells  
Instruction manual

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Material not included:

1. Microplate reader with  $450 \pm 10\text{nm}$  filter.
2. Precision single or multi-channel pipettes and disposable tips.
3. Eppendorf Tubes for diluting samples.
4. Deionized or distilled water.
5. Absorbent paper for blotting the microtiter plate.
6. Container for Wash Solution.

## Target Details

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Target:	ATP1B4
Alternative Name:	ATPase, Na <sup>+</sup> /K <sup>+</sup> Transporting Beta 4 Polypeptide (ATP1b4) ( <a href="#">ATP1B4 Products</a> )
Background:	Alternative name: X,K-ATPase subunit beta-m, X/potassium-transporting ATPase subunit beta-m
Gene ID:	67821
UniProt:	<a href="#">Q99ME6</a>
Pathways:	<a href="#">Thyroid Hormone Synthesis</a> , <a href="#">Proton Transport</a>

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## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Assay Time:	1 - 4.5 h
Plate:	Pre-coated
Protocol:	<ol style="list-style-type: none"><li>1. Prepare all reagents, samples and standards</li><li>2. Add 100<math>\mu\text{L}</math> standard or sample to each well. Incubate 2 hours at 37°C</li><li>3. Aspirate and add 100<math>\mu\text{L}</math> prepared Detection Reagent A. Incubate 1 hour at 37°C</li><li>4. Aspirate and wash 3 times</li><li>5. Add 100<math>\mu\text{L}</math> prepared Detection Reagent B. Incubate 1 hour at 37°C</li><li>6. Aspirate and wash 5 times</li><li>7. Add 90<math>\mu\text{L}</math> Substrate Solution. Incubate 15-25 minutes at 37°C</li><li>8. Add 50<math>\mu\text{L}</math> Stop Solution. Read at 450nm immediately.</li></ol>

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## Application Details

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Restrictions: For Research Use only

## Handling

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Storage: 4 °C

Expiry Date: 12 months