

Datasheet for ABIN5674916  
**PAX6 ELISA Kit**



[Go to Product page](#)

## Overview

Quantity:	96 tests
Target:	PAX6
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.312 ng/mL - 20 ng/mL
Minimum Detection Limit:	0.312 ng/mL
Application:	ELISA

## Product Details

Sample Type:	Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	0144 ng/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: PAX6

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Alternative Name: Paired Box Gene 6 (PAX6) ([PAX6 Products](#))

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Background: Alternative name: AN, AN2, MGDA, WAGR, Oculorhombin, Aniridia,Keratitis, Aniridia type II protein

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Gene ID: 5080

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UniProt: [P26367](#)

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Pathways: [Peptide Hormone Metabolism](#), [Carbohydrate Homeostasis](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Assay Time: 1 - 4.5 h

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Plate: Pre-coated

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Protocol:

1. Prepare all reagents, samples and standards
2. Add 100 $\mu\text{L}$  standard or sample to each well. Incubate 2 hours at 37°C
3. Aspirate and add 100 $\mu\text{L}$  prepared Detection Reagent A. Incubate 1 hour at 37°C
4. Aspirate and wash 3 times
5. Add 100 $\mu\text{L}$  prepared Detection Reagent B. Incubate 1 hour at 37°C
6. Aspirate and wash 5 times
7. Add 90 $\mu\text{L}$  Substrate Solution. Incubate 15-25 minutes at 37°C
8. Add 50 $\mu\text{L}$  Stop Solution. Read at 450nm immediately.

## Application Details

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Restrictions: For Research Use only

## Handling

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Storage: 4 °C

Expiry Date: 12 months