

Datasheet for ABIN1568546 ATP1B3 ELISA Kit

Image



Overview

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Quantity:96 testsTarget:ATP1B3Reactivity:RatMethod Type:Sandwich ELISADetection Range:0.156 ng/mL - 10 ng/mLMinimum Detection Limit:0.156 ng/mLApplication:ELISAProduct DetailsThe kit is a sandwich enzyme immunoassay for the in vitro quantitative meas ATP1b3 in rat tissue homogenates and other biological fluids.Sample Type:Tissue Homogenate	
Reactivity:RatMethod Type:Sandwich ELISADetection Range:0.156 ng/mL - 10 ng/mLMinimum Detection Limit:0.156 ng/mLApplication:ELISAProduct DetailsThe kit is a sandwich enzyme immunoassay for the in vitro quantitative mea ATP1b3 in rat tissue homogenates and other biological fluids.	
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ATP1b3 in rat tissue homogenates and other biological fluids.	
Sample Type: Tissue Homogenate	surement of
Analytical Method: Quantitative	
Detection Method: Colorimetric	
Specificity: This assay has high sensitivity and excellent specificity for detection of this i	ndex.
Cross-Reactivity (Details): No significant cross-reactivity or interference between this index and analog Note: Limited by current skills and knowledge, it is impossible for us to comp reactivity detection between this index and all the analogues, therefore, cross	lete the cross-
exist.	

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Product Details

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 Stop Solution Wash Buffer (30X) Plate sealer for 96 wells Instruction manual
Material not included:	 Microplate reader with 450 ± 10nm filter. Precision single or multi-channel pipettes and disposable tips. Eppendorf Tubes for diluting samples. Deionized or distilled water. Absorbent paper for blotting the microtiter plate. Container for Wash Solution.

Target Details

Target:	ATP1B3
Alternative Name:	ATP1b3 (ATP1B3 Products)
Background:	Alternative name: CD298, ATP1-B3, ATPB-3, Sodium/potassium-transporting ATPase subunit beta-3
Gene ID:	25390
UniProt:	Q63377
Pathways:	Thyroid Hormone Synthesis

Application Details

Sample Volume:	100 µL
Assay Time:	1 - 4.5 h
Plate:	Pre-coated
Protocol:	1. Prepare all reagents, samples and standards
	2. Add 100 μ L standard or sample to each well. Incubate 2 hours at 37°C

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Application Details

Storage:	4 °C,-20 °C
	than 5 % within the expiration date under appropriate storage conditions. Note: To minimize unnecessary influences on the performance, operation procedures and lab conditions, especially room temperature, air humidity and incubator temperatures should be strictly regulated. It is also strongly suggested that the whole assay is performed by the same experimenter from the beginning to the end.
Precaution of Use: Handling Advice:	The Stop Solution suggested for use with this kit is an acid solution. Wear eye, hand, face, and clothing protection when using this material. The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less
Handling	
Restrictions:	For Research Use only
	 the index were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-assay: CV&lt10% Inter-assay: CV&lt12%
Assay Precision:	 Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level the index were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level
	spectrophotometrically at a wavelength of 450nm \pm 10nm. The concentration of the index in the samples is then determined by comparing the O.D. of the samples to the standard curve.
	terminated by the addition of sulphuric acid solution and the color change is measured
	substrate solution is added, only those wells that contain the index, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is
	Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB
	biotin-conjugated antibody preparation specific to the index. Next, Avidin conjugated to
Assay Procedure:	The microtiter plate provided in this kit has been pre-coated with an antibody specific to the index. Standards or samples are then added to the appropriate microtiter plate wells with a
	8. Add 50µL Stop Solution. Read at 450nm immediately.
	7. Add 90µL Substrate Solution. Incubate 15-25 minutes at 37°C
	6. Aspirate and wash 5 times
	5. Add 100µL prepared Detection Reagent B. Incubate 1 hour at 37°C
	4. Aspirate and wash 3 times

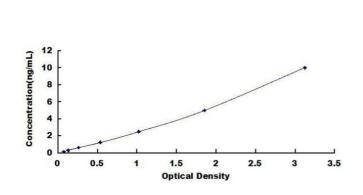
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Storage Comment:	The Assay Plate, Standard, Detection Reagent A and Detection Reagent B should be stored at -
	20°C upon being received. After receiving the kit , Substrate should be always stored at
	4°C.Other reagents are kept according to the labels on vials. But for long term storage, please
	keep the whole kit at -20°C. The unused strips should be kept in a sealed bag with the desiccant
	provided to minimize exposure to damp air. The test kit may be used throughout the expiration
	date of the kit (six months from the date of manufacture). Opened test kits will remain stable
	until the expiring date shown, provided it is stored as prescribed above.

Expiry Date:

12 months

Images



ELISA

Image 1.

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