Datasheet for ABIN5674748

APEX1 ELISA Kit

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Overview

Quantity:	96 tests
Target:	APEX1
Reactivity:	Rat
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:	Cell Lysate, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	0143 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

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Product Details

	Stop Solution Wash Buffer(30 x concenthumane) Plate sealer for 96 wells Instruction manual
Material not included:	1. Microplate reader with 450 ± 10nm 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

Target:	APEX1
Alternative Name:	APEX Nuclease 1 (APEX1) (APEX1 Products)
Background:	Alternative name: APE, APE1, APEN, APEX, APX, HAP1, REF1, Multifunctional DNA Repair Enzyme, APEX Nuclease 1, Redox factor-1, DNA-(apurinic or apyrimidinic site) lyase
Gene ID:	79116
UniProt:	P43138
Pathways:	DNA Damage Repair, Chromatin Binding, Cell RedoxHomeostasis, Smooth Muscle Cell Migration, Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Assay Time:	1 - 4.5 h
Plate:	Pre-coated
Protocol:	1. Prepare all reagents, samples and standards 2. Add 100µL standard or sample to each well. Incubate 2 hours at 37℃ 3. Aspirate and add 100µL prepared Detection Reagent A. Incubate 1 hour at 37℃ 4. Aspirate and wash 3 times 5. Add 100µL prepared Detection Reagent B. Incubate 1 hour at 37℃ 6. Aspirate and wash 5 times 7. Add 90µL Substrate Solution. Incubate 15-25 minutes at 37℃

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Application Details

	8. Add 50µL Stop Solution. Read at 450nm immediately.
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Expiry Date:	12 months

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