



Datasheet for ABIN5526737

ATR ELISA Kit



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3 Images

Overview

Quantity: 96 tests

Target: ATR

Binding Specificity: pThr1989, total

Reactivity: Human

Method Type: Sandwich ELISA

Application: ELISA

Product Details

Purpose: Human Phospho-ATR (Thr1989) and Total ATR ELISA Kit. This assay semi-quantitatively measures ATR phosphorylated at Threonine-1989 as well as total ATR in cell lysate samples.

Sample Type: Cell Culture Lysate

Analytical Method: Semi-Quantitative

Detection Method: Colorimetric

Specificity: This ELISA kit recognizes Human ATR phosphorylated at site Threonine-1989 as well as total ATR.

Characteristics:

- Pre-Coated 96-well Strip Microplate
- Wash Buffer
- Anti-Phospho Antibody
- Anti-Pan Antibody
- HRP-Conjugated Secondary Antibody
- Streptavidin-Conjugated HRP
- Assay Diluent

Product Details

- TMB One-Step Substrate
- Stop Solution
- Lysis Buffer
- Positive Control Sample

Components:

- Pre-Coated 96-well Strip Microplate
- Wash Buffer
- Anti-Phospho Antibody
- Anti-Pan Antibody
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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: ATR

Alternative Name: ATR ([ATR Products](#))

Gene ID: 545

UniProt: [Q13535](#)

Pathways: [Positive Regulation of Response to DNA Damage Stimulus](#)

Application Details

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

Plate: Pre-coated

Application Details

Protocol:	<ol style="list-style-type: none">1. Prepare all reagents and samples as instructed in the manual.2. Add 100 μL of sample or positive control to each well.3. Incubate 2.5 h at RT or O/N at 4 $^{\circ}$C.4. Add 100 μL of prepared primary antibody to each well.5. Incubate 1 h at RT.6. Add 100 μL of prepared 1X HRP-Streptavidin to each well.7. Incubate 1 h at RT.8. Add 100 μL of TMB One-Step Substrate Reagent to each well.9. Incubate 30 min at RT.10. Add 50 μL of Stop Solution to each well.11. Read at 450 nm immediately.
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Restrictions:	For Research Use only
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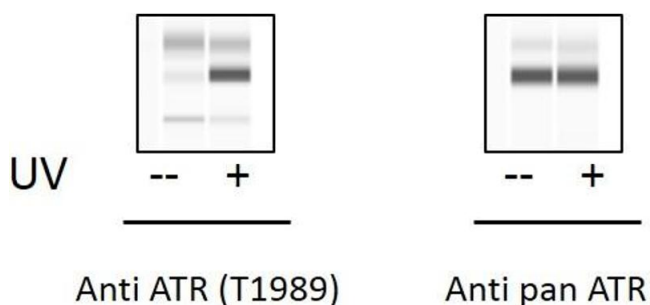
Handling

Storage:	-20 $^{\circ}$ C
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Storage Comment:	Upon receipt, the kit should be stored at -20 $^{\circ}$ 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 $^{\circ}$ C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20 $^{\circ}$ C. Reconstituted Positive Control (Item K) should be stored at -70 $^{\circ}$ C.
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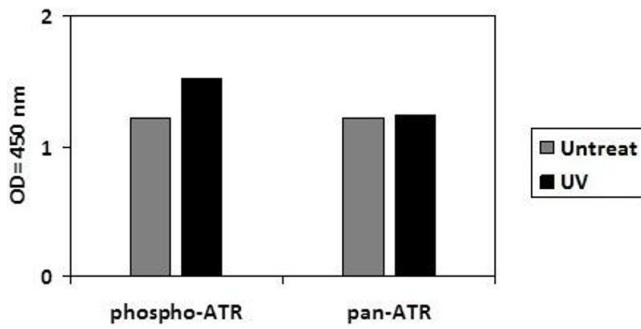
Expiry Date:	6 months
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Images



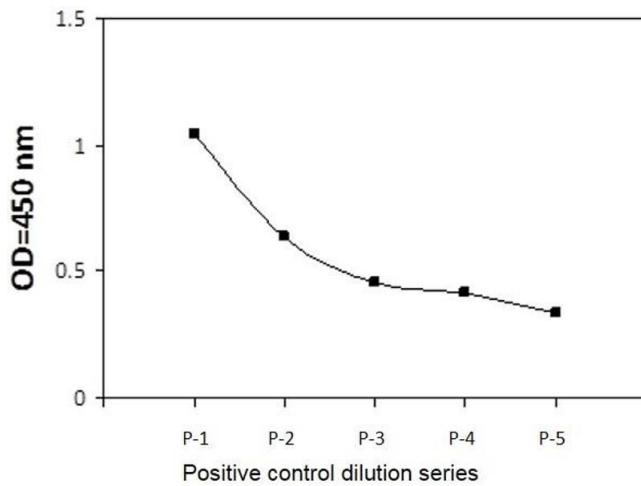
ELISA

Image 1. T47D cells were untreated or treated with UV. Cell lysates were analyzed using this phosphoELISA and Western Blot.



ELISA

Image 2. T47D cells were untreated or treated with UV. Cell lysates were analyzed using this phosphoELISA and Western Blot.



ELISA

Image 3. T47D cells were exposed to 50J/m² of UV light followed by a 4 hours recovery period. Cells were solubilized at 4 x 10⁷ cells/ml in Cell Lysate Buffer. Serial dilutions of lysates were analyzed in this ELISA.