

Datasheet for ABIN5526749
Retinoblastoma 1 ELISA Kit

3 Images

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Overview

Quantity: 96 tests

Target: Retinoblastoma 1 (RB1)

Binding Specificity: pThr826, total

Reactivity: Human

Method Type: Sandwich ELISA

Application: ELISA

Product Details

Purpose: Human Phospho-RB (Thr826) ELISA Kit. This assay semi-quantitatively measures RB phosphorylated at Threonine-826 in cell lysate samples.

Sample Type: Cell Culture Lysate

Analytical Method: Semi-Quantitative

Detection Method: Colorimetric

Specificity: This ELISA kit recognizes Human RB phosphorylated at site Threonine-826.

Characteristics:

- Rapidly measure phosphorylated protein in lysates
- Screen numerous different cell lysates without performing a Western Blot analysis
- Minimal hands-on time, convenient, and non-radioactive material

Components:

- Pre-Coated 96-well Strip Microplate
- Wash Buffer
- Anti-Phospho Antibody
- HRP-Conjugated Secondary Antibody

Product Details

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

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:	Retinoblastoma 1 (RB1)
Alternative Name:	RB (RB1 Products)
Gene ID:	5925
UniProt:	P06400
Pathways:	Cell Division Cycle , Intracellular Steroid Hormone Receptor Signaling Pathway , Mitotic G1-G1/S Phases , DNA Replication , Maintenance of Protein Location , Synthesis of DNA , Autophagy

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Plate:	Pre-coated
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 °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.

Application Details

11. Read at 450 nm immediately.

Restrictions: For Research Use only

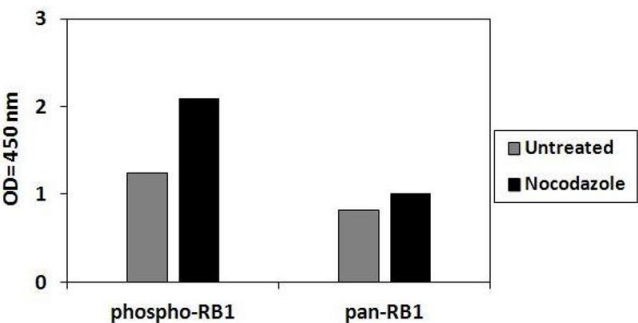
Handling

Storage: -20 °C

Storage Comment: Upon receipt, the kit should be stored at -20 °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 °C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20 °C. Reconstituted Positive Control (Item K) should be stored at -70 °C.

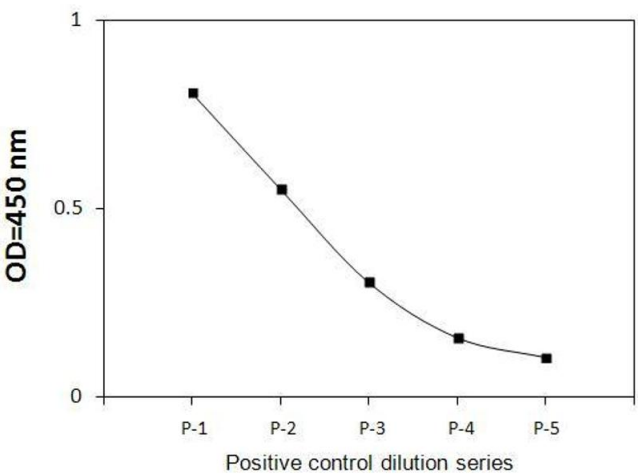
Expiry Date: 6 months

Images



ELISA

Image 1. HT29 cells were treated with Thymidine-Nocodazole Block. Cell lysates were analyzed using this phosphoELISA and Western Blot.



ELISA

Image 2. HT29 cells were treated with Thymidine and Nocodazole. Solubilize cells at 4×10^7 cells/ml in Cell Lysate Buffer. Serial dilutions of lysates were analyzed in this ELISA.

ELISA

Image 3. HT29 cells were treated with Thymidine-Nocodazole Block. Cell lysates were analyzed using this phosphoELISA and Western Blot.

