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Datasheet for ABIN2748616

RPS6 ELISA Kit

Overview

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|----------------------|-------------------------|
| Quantity: | 96 tests |
| Target: | RPS6 |
| Binding Specificity: | pSer235, pSer236, total |
| Reactivity: | Human, Mouse, Rat |
| Method Type: | Sandwich ELISA |
| Application: | ELISA |

Product Details

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|--------------------|---|
| Purpose: | Human/Mouse/Rat Phospho-RPS6 (S235/S236) and Total RPS6 ELISA Kit. This assay semi-quantitatively measures phosphorylated RPS6 (Ser235/S236) and Total RPS6 in lysate samples. |
| Sample Type: | Cell Lysate, Tissue Lysate |
| Analytical Method: | Semi-Quantitative |
| Detection Method: | Colorimetric |
| Specificity: | The antibody pair provided in this kit recognizes human, mouse, or rat Phospho-RPS6 (pSer235/Ser236) and total RPS6. |
| Characteristics: | <ul style="list-style-type: none"> • Simultaneously measure Phosphorylated protein and pan protein in one experiment (for normalization purpose) • Screen numerous different cell lysates without performing a Western Blot analysis • Minimal hands-on time, convenient, and non-radioactive material |
| Components: | <ul style="list-style-type: none"> • Pre-Coated 96-well Strip Microplate • Wash Buffer |

Product Details

- Anti-Phospho Antibody
- Anti-Pan Antibody
- HRP-Conjugated Secondary Antibody
- Streptavidin-Conjugated HRP
- 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

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|-------------------|---|
| Target: | RPS6 |
| Alternative Name: | RPS6 (RPS6 Products) |
| Background: | Ribosomal protein S6 phosphorylated at S235/S236 and total RPS6 |
| Gene ID: | 6194 |
| UniProt: | P62753 |
| Pathways: | Carbohydrate Homeostasis , Ribonucleoprotein Complex Subunit Organization , Ribosome Assembly |

Application Details

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|----------------|--|
| Sample Volume: | 100 µL |
| 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. |

Application Details

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.

Assay Procedure:

Prepare all reagents and samples as instructed in the manual.

Add 100 µL of sample or positive control to each well.

Incubate 2.5 h at RT or O/N at 4 °C.

Add 100 µL of prepared primary antibody to each well.

Incubate 1 h at RT.

Add 100 µL of prepared 1X HRP-Streptavidin to each well.

Incubate 1 h at RT.

Add 100 µL of TMB One-Step Substrate Reagent to each well.

Incubate 30 min at RT.

Add 50 µL of Stop Solution to each well.

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