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## Datasheet for ABIN2748547

## **RPS6KA1 ELISA Kit**



### Overview

Quantity:	96 tests
Target:	RPS6KA1
Binding Specificity:	pSer380
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA
Product Details	
Purpose:	Human Phosph-RSK1 (S380) ELISA Kit. This assay semi-quantitatively measures
	phophorylated RSK1 (Ser380) 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 RSK1 phosphorylated at site Serine-380
Characteristics:	Rapidly measure phosphorylated protein in lysates
	<ul> <li>Screen numerous different cell lysates without performing a Western Blot analysis</li> </ul>
	Minimal hands-on time, convenient, and non-radioactive material
Components:	Pre-Coated 96-well Strip Microplate
	Wash Buffer
	Anti-Phospho Antibody

### **Product Details**

- · HRP-Conjugated Secondary Antibody
- · 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:	RPS6KA1
Alternative Name:	RSK1 (RPS6KA1 Products)
Background:	Phospho-RSK1 (S380)
Gene ID:	6195
UniProt:	Q15418
Pathways:	MAPK Signaling, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Toll- Like Receptors Cascades

### **Application Details**

Sample Volume:	100 μL
Plate:	Pre-coated
Protocol:	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.

Application Details	
	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