Go to Product page

Datasheet for ABIN2748386
MSK2 ELISA Kit

Overview

Quantity:	96 tests
Target:	MSK2 (RPS6KA4)
Binding Specificity:	pSer360, total
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Human Phospho-MSK2 (S360) & Total MSK2 ELISA Kit. This assay semi-quantitatively measures phophorylated MSK2 (Ser360) & Total MSK2 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 MSK2 phosphorylated at site Serine-360.
Characteristics:	• 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:	• 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

Target:	MSK2 (RPS6KA4)
Alternative Name:	MSK2 (RPS6KA4 Products)
Background:	Mitogen- and stress-activated protein kinase 2 (MSK2) phosphorylated at Serine-360 and Total MSK2
Gene ID:	8986
UniProt:	O75676

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.

Application Details

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