Datasheet for ABIN5690735

RPS6KA3 ELISA Kit

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Overview

Quantity:	96 tests
Target:	RPS6KA3
Reactivity:	Human, Mouse, Rat
Method Type:	Cell ELISA
Application:	ELISA

Product Details

Purpose:	Human, Mouse and Rat Phospho-RSK2 (Ser386) and Total RSK2 Cell-Based ELISA Cell-Based ELISA Kit. This assay semi-quantitatively measures RSK2 phosphorylated at Serine-386 as well as total RSK2 in adherent cell lines.
Sample Type:	Adherent Cell Culture
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	The antibodies provided in this kit recognizes Human, Mouse and Rat RSK2 phosphorylated at site Serine-386 as well as total RSK2.
Characteristics:	• Rapidly measure phosphorylated protein in adherent cell lines • Simultaneously measure Phosphorylated protein and pan protein in one experiment (for normalization purpose) • No sample lysis is needed • Compatible with a standard ELISA plate reader
Components:	• Uncoated 96-well Strip Microplate

Product Details

	• Wash Buffers • Fixing Solution • Quenching Buffer • Blocking Buffer • Anti-phospho antibody • Anti-pan antibody • HRP-Conjugated Secondary Antibody • TMB One-Step Substrate • Stop Solution
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:	RPS6KA3
Alternative Name:	RSK2 (RPS6KA3 Products)
Gene ID:	6197
UniProt:	P51812, P18654, D3Z8E0
Pathways:	MAPK Signaling, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Toll-Like Receptors Cascades

Application Details

Plate:	Uncoated
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.
Restrictions:	For Research Use only

Handling

Storage:	4 °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