

Datasheet for ABIN4889789

**SHC1 ELISA Kit****2** Images[Go to Product page](#)

## Overview

Quantity:	96 tests
Target:	SHC1
Binding Specificity:	pTyr427, total
Reactivity:	Human, Mouse, Rat
Method Type:	Sandwich ELISA
Application:	ELISA

## Product Details

Purpose:	Human, Mouse and Rat Phospho-SHC (Tyr427) and Total SHC ELISA Kit. This assay semi-quantitatively measures SHC phosphorylated at Tyrosine-427 as well as total SHC in cell lysate samples.
Sample Type:	Cell Culture Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes Human, Mouse and Rat SHC phosphorylated at site Tyrosine-427 as well as total SHC.
Characteristics:	<ul style="list-style-type: none"><li>• Simultaneously measure Phosphorylated protein and pan protein in one experiment (for normalization purpose)</li><li>• Screen numerous different cell lysates without performing a Western Blot analysis</li><li>• Minimal hands-on time, convenient, and non-radioactive material</li></ul>
Components:	<ul style="list-style-type: none"><li>• Pre-Coated 96-well Strip Microplate</li></ul>

## Product Details

- Wash Buffer
- 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:	SHC1
Alternative Name:	SHC ( <a href="#">SHC1 Products</a> )
Gene ID:	6464
UniProt:	<a href="#">P29353</a> , <a href="#">P98083</a> , <a href="#">O70143</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">TCR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">ER-Nucleus Signaling</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Sample Volume:	100 µL
Plate:	Pre-coated
Protocol:	<ol style="list-style-type: none"><li>1. Prepare all reagents and samples as instructed in the manual.</li><li>2. Add 100 µL of sample or positive control to each well.</li></ol>

Application Details

- 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.
- 11. Read at 450 nm immediately.

Restrictions: For Research Use only

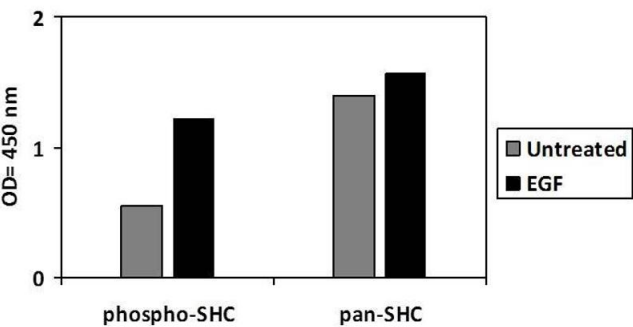
Handling

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.

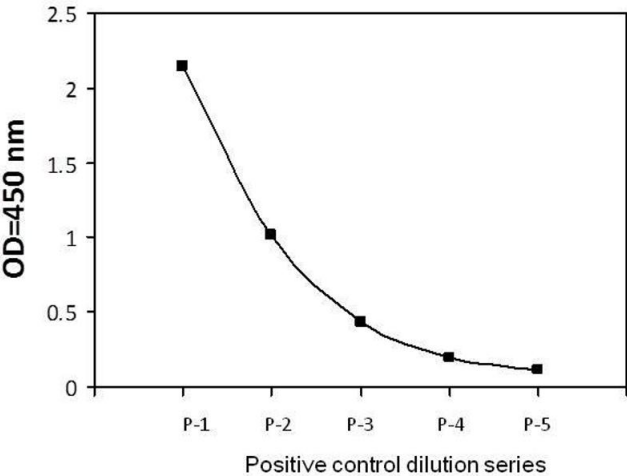
Expiry Date: 6 months

Images



ELISA

**Image 1.** A431 cells were treated or untreated with EGF. Cell lysates were analyzed using this phosphoELISA and Western Blot.



ELISA

**Image 2.** A431 cells were treated with EGF. Solubilize cells at  $4 \times 10^7$  cells/ml in Cell Lysate Buffer. Serial dilutions of lysates were analyzed in this ELISA.