


# Anti-SHP1 (phospho S591) antibody ab41436

**1 References**   **1 图像**

### 概述

产品名称	Anti-SHP1 (phospho S591)抗体
描述	兔多克隆抗体to SHP1 (phospho S591)
宿主	Rabbit
特异性	Phospho-Ser591-SHP1 specific. This antibody detects a 68 kDa band on SDS-PAGE immunoblots of human Jurkat and A431 cells treated with pervanadate, as well as A431 cells treated with EGF.
经测试应用	适用于: ELISA, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide corresponding to Human SHP1 (phospho S591). Database link: <a href="#">P29350</a>
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.05% Sodium azide Constituents: PBS, 50% Glycerol, 0.1% BSA
纯度	Immunogen affinity purified
纯化说明	This antibody was cross-adsorbed to a non specific phospho-serine peptide then affinity purified using phospho-Ser591-SHP1 peptide (immunogen).
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab41436于以下的经测试应用

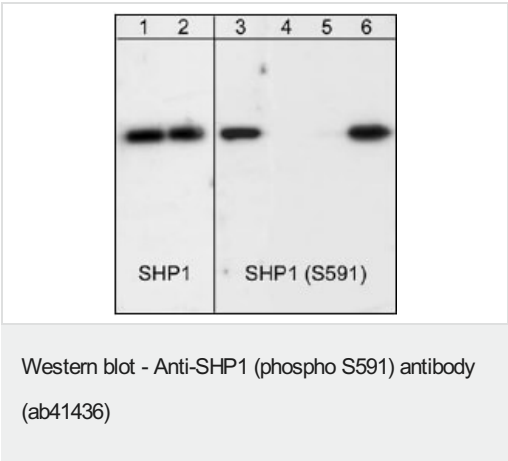
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ELISA		Use at an assay dependent concentration.
WB		1/1000. Detects a band of approximately 68 kDa (predicted molecular weight: 68 kDa).

靶标

功能	Plays a key role in hematopoiesis. This PTPase activity may directly link growth factor receptors and other signaling proteins through protein-tyrosine phosphorylation. The SH2 regions may interact with other cellular components to modulate its own phosphatase activity against interacting substrates. Together with MTUS1, induces UBE2V2 expression upon angiotensin II stimulation.
组织特异性	Isoform 1 is expressed in hematopoietic cells. Isoform 2 is expressed in non-hematopoietic cells.
序列相似性	Belongs to the protein-tyrosine phosphatase family. Non-receptor class 2 subfamily. Contains 2 SH2 domains. Contains 1 tyrosine-protein phosphatase domain.
翻译后修饰	Phosphorylated on serine and tyrosine residues.
细胞定位	Cytoplasm. Nucleus. In neurons, translocates into the nucleus after treatment with angiotensin II.

图片



**Lanes 1-2 :** anti-SHP1 (C-terminal)

**Lanes 3-6 :** Anti-SHP1 (phospho S591) antibody (ab41436) at 1/1000 dilution

**Lanes 1 & 3 :** human Jurkat cells treated with 1 mM pervanadate for 30 min.

**Lanes 2 & 4 :** human Jurkat cells treated with 1 mM pervanadate for 30 min, blot exposed to lambda phosphatase before probing

**Lane 5 :** human Jurkat cells treated with 1 mM pervanadate for 30 min. with phospho-Ser591-SHP1 peptide

**Lane 6 :** human Jurkat cells treated with 1 mM pervanadate for 30 min. with non specific phospho-serine peptide

**Predicted band size:** 68 kDa

**Observed band size:** 68 kDa

Membrane was incubated with diluted antibody in 5% non-fat milk, PBS, 0.04% Tween20 for 1 hour at room temperature.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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