


Product datasheet

Anti-SHP1 (phospho S591) antibody ab41436

1 References [画像数 1](#)

製品の概要

製品名	Anti-SHP1 (phospho S591) antibody
製品の詳細	Rabbit polyclonal to SHP1 (phospho S591)
由来種	Rabbit
特異性	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.
アプリケーション	適用あり: WB, ELISA
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthetic phospho-Ser591-SHP1 peptide (coupled to carrier protein) corresponding to amino acids around serine 591 in human SHP1. The sequence is highly conserved in rat and mouse SHP1.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.05% Sodium Azide Constituents: 50% Glycerol, PBS, 1mg/ml BSA
精製度	Immunogen affinity purified
特記事項(精製)	This antibody was cross-adsorbed to a non specific phospho-serine peptide then affinity purified using phospho-Ser591-SHP1 peptide (immunogen).
ポリモノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab41436** in the following tested applications.

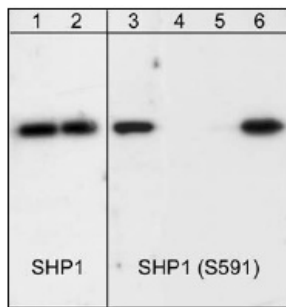
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 68 kDa (predicted molecular weight: 68 kDa).
ELISA		1/2000.

ターゲット情報

機能	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.
組織特異性	Isoform 1 is expressed in hematopoietic cells. Isoform 2 is expressed in non-hematopoietic cells.
配列類似性	Belongs to the protein-tyrosine phosphatase family. Non-receptor class 2 subfamily. Contains 2 SH2 domains. Contains 1 tyrosine-protein phosphatase domain.
翻訳後修飾	Phosphorylated on serine and tyrosine residues.
細胞内局在	Cytoplasm. Nucleus. In neurons, translocates into the nucleus after treatment with angiotensin II.

画像



Western blot - Anti-SHP1 (phospho S591) antibody (ab41436)

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.

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