

# Anti-Phosphoserine Aminotransferase antibody ab96136

★★★★★ **2 Abreviews**   **15 References**   画像数 **2**

### 製品の概要

製品名	Anti-Phosphoserine Aminotransferase antibody
製品の詳細	Rabbit polyclonal to Phosphoserine Aminotransferase
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, ICC/IF
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat, Rabbit, Cow 
免疫原	Recombinant protein fragment with a sequence corresponding to a region within amino acids 48 and 298 of Human Phosphoserine Aminotransferase (NP_478059).
ポジティブ・コントロール	293T, A431, H1299, HeLa, HepG2, Molt-4 and Raji cell lines. H1299 whole cell lysate for WB and A549 cells for IF.
特記事項	<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>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
精製度	Immunogen affinity purified
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

## The Abpromise guarantee

**Abpromise保証は、次のテスト済みアプリケーションにおけるab96136の使用に適用されます**

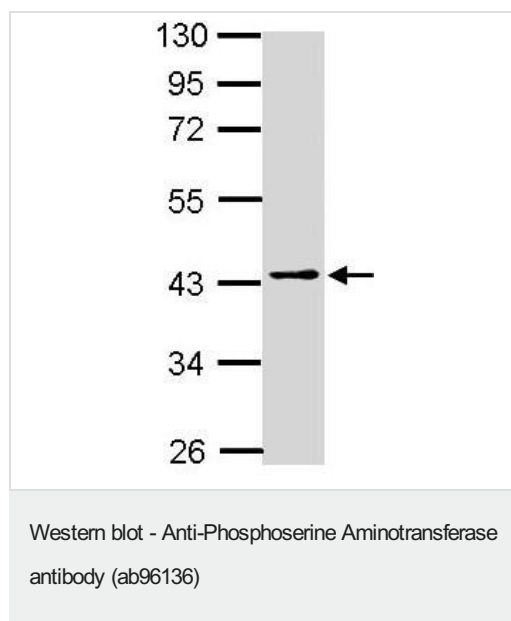
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (2)	1/500 - 1/3000. Predicted molecular weight: 40 kDa.
ICC/IF		1/100 - 1/200.

## ターゲット情報

機能	Catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine and of 3-hydroxy-2-oxo-4-phosphonooxybutanoate to phosphohydroxythreonine.
組織特異性	Expressed at high levels in the brain, liver, kidney and pancreas, and very weakly expressed in the thymus, prostate, testis and colon.
パスウェイ	Amino-acid biosynthesis; L-serine biosynthesis; L-serine from 3-phospho-D-glycerate: step 2/3. Cofactor biosynthesis; pyridoxine 5'-phosphate biosynthesis; pyridoxine 5'-phosphate from D-erythrose 4-phosphate: step 3/5.
関連疾患	Defects in PSAT1 are the cause of phosphoserine aminotransferase deficiency (PSATD) [MIM:610992]. PSATD is characterized biochemically by low plasma and cerebrospinal fluid concentrations of serine and glycine and clinically by intractable seizures, acquired microcephaly, hypertonia, and psychomotor retardation.
配列類似性	Belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family. SerC subfamily.

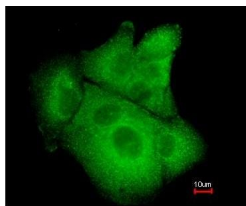
## 画像



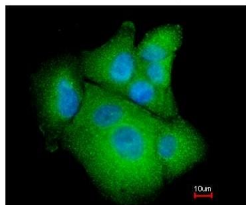
Anti-Phosphoserine Aminotransferase antibody (ab96136) at 1/1000 dilution + H1299 whole cell lysate at 30 µg

**Predicted band size:** 40 kDa

10% SDS PAGE



Panel 1



Panel 2

ab96136, at 1/200 staining paraformaldehyde-fixed A549 cells by Immunofluorescence (Panel 1) and merged with DNA probe (Panel 2).

Immunocytochemistry/ Immunofluorescence - Anti-Phosphoserine Aminotransferase antibody (ab96136)

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

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