abcam

Product datasheet

Anti-Phosphoserine Aminotransferase antibody ab96136

★★★★★ **2 Abreviews**   **15 References**   2 图像

概述

产品名称	Anti-Phosphoserine Aminotransferase抗体
描述	兔多克隆抗体to Phosphoserine Aminotransferase
宿主	Rabbit
经测试应用	**适用于：** WB, ICC/IF
种属反应性	**与反应：** Human
	预测可用于： 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).
阳性对照	293T, A431, H1299, HeLa, HepG2, Molt-4 and Raji cell lines. H1299 whole cell lysate for WB and A549 cells for IF.
常规说明	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.
	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&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee　　　　Abpromise™承诺保证使用ab96136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
WB	★★★★★ (2)	1/500 - 1/3000. Predicted molecular weight: 40 kDa.
ICC/IF		1/100 - 1/200.

靶标

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功能	Catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine and of 3-hydroxy-2-oxo-4-phosphonooxybutanoate to phosphohydroxythreonine.
组织特异性	Expressed at high levels in the brain, liver, kidney and pancreas, and very weakly expressed in the thymus, prostate, testis and colon.
通路	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.
疾病相关	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.
序列相似性	Belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family. SerC subfamily.

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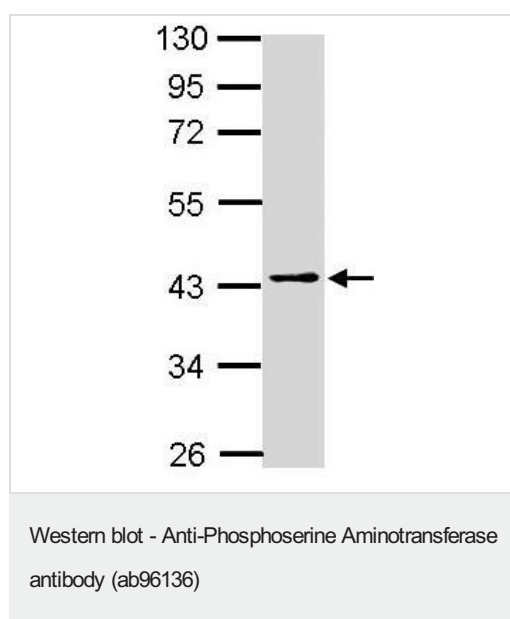
Anti-Phosphoserine Aminotransferase antibody (ab96136) at 1/1000 dilution + H1299 whole cell lysate at 30 μg

Predicted band size: 40 kDa

10% SDS PAGE

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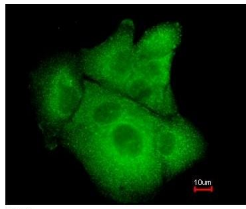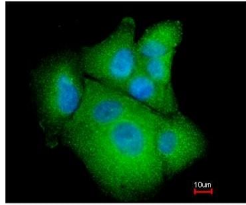
ab96136, at 1/200 staining paraformaldehyde-fixed A549 cells by Immunofluorescence (Panel 1) and merged with DNA probe (Panel 2).

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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