

Product datasheet

Anti-Phosphoserine Aminotransferase antibody ab67367

1 图像

概述

产品名称	Anti-Phosphoserine Aminotransferase抗体
描述	小鼠多克隆抗体to Phosphoserine Aminotransferase
宿主	Mouse
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Full length Phosphoserine Aminotransferase protein (Human)
阳性对照	Phosphoserine Aminotransferase transfected 293T cell lysate

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None Constituents: 1X PBS, pH 7.2
纯度	Protein A purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab67367** in the following tested applications.

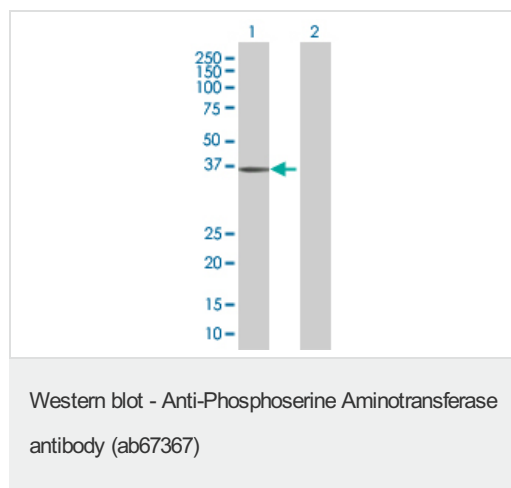
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		1/500 - 1/1000. Detects a band of approximately 37 kDa (predicted molecular weight: 40 kDa).

靶标

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

## 图片



**All lanes** : Anti-Phosphoserine Aminotransferase antibody (ab67367) at 1/500 dilution

**Lane 1** : Phosphoserine Aminotransferase transfected 293T cell lysate

**Lane 2** : Non transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

### Secondary

**All lanes** : Goat Anti-Mouse IgG (H&L)-HRP Conjugate secondary antibody at 1/2500 dilution

**Predicted band size:** 40 kDa

**Observed band size:** 37 kDa

[why is the actual band size different from the predicted?](#)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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