# Phosphoserine aminotransferase Antibody

Mouse Monoclonal Antibody [Clone CPTC-PSAT1-2]

| Catalog No | Format | Size |
|---|---|---|
| 29968-MSM1-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 29968-MSM1-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 29968-MSM1-P1ABX | Purified Ab WITHOUT BSA or Azide at 1.0mg/ml | 100 ug |

| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

## Product Details

| | |
|---|---|
| **Clone** | CPTC-PSAT1-2 |
| **Immunogen** | Recombinant human PSAT1 protein |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG1 / Kappa |
| **Mol. Weight of Antigen** | 40.42kDa |
| **Species Reactivity** | Human |
| **Positive Control** | Expressed at high levels in the brain, liver, kidney and pancreas, and very weakly expressed in the thymus, prostate, testis and colon |

**Optimal dilution for a specific application should be determined.*

## Product Images for Phosphoserine aminotransferase Antibody

### Specificity & Comments

Involved in L-serine biosynthesis via the phosphorylated pathway, a three-step pathway converting the glycolytic intermediate 3-phospho-D-glycerate into L-serine. Catalyzes the second step, that is the pyridoxal 5'-phosphate-dependent transamination of 3-phosphohydroxypyruvate and L-glutamate to O-phosphoserine (OPS) and alpha-ketoglutarate.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.