

# Phosphoserine aminotransferase 1

## UniProt

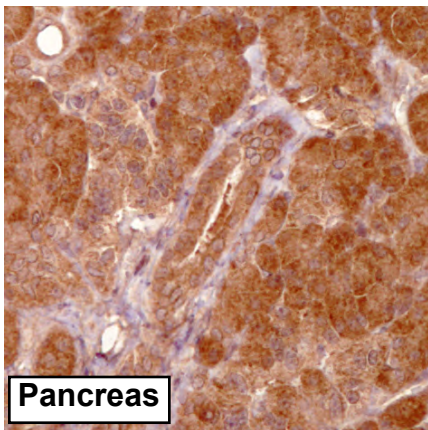
**Function:** Catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine and of 3-hydroxy-2-oxo-4-phosphonooxybutanoate to phosphohydroxythreonine (By similarity).

**Tissue specificity:** Expressed at high levels in the brain, liver, kidney and pancreas, and very weakly expressed in the thymus, prostate, testis and colon.

**Four antibodies: PSAT1-1, PSAT1-2, PSAT1-3 and PSAT1-4 were tested. PSAT1-2 and PSAT1-3 were approved for IHC. PSAT1-2 was selected for full protein profiling.**

## PSAT1-1 (CAB040566)

**Failed for IHC**



### Immunohistochemistry

**IHC protocol:** HIER pH 6, Dilution 1:10

**IHC test staining:** Cytoplasmic staining in all tissues.

### Western blot

**WB Size markers (kDa):** 250, 130, 95, 72, 55, 36, 28, 17, 11

**WB Lanes:** Marker(1), RT-4(2), U251 MG(3), Plasma(4), Liver(5), Tonsil(6)

**WB Target weight (kDa):** 45, 40, 35

**WB Validation:** Non-supportive - Weak band of predicted size but with additional bands of higher intensity also present.

