

CoraLite® Plus 488-conjugated PSAT1 Recombinant antibody

Catalog Number: **CL488-81479**

Basic Information

Catalog Number:

CL488-81479

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0776

GenBank Accession Number:

BC004863

GeneID (NCBI):

29968

UNIPROT ID:

Q9Y617

Full Name:

phosphoserine aminotransferase 1

Calculated MW:

40 kDa

Observed MW:

37-40 kDa

Purification Method:

Protein A purification

CloneNo.:

1022

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima**wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human, Mouse, Pig

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

PSAT1, also named as PSA and PSAT, belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family and SerC subfamily. It catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine and of 3-hydroxy-2-oxo-4-phosphonooxybutanoate to phosphohydroxythreonine. PSAT1 represents a new interesting target for CRC therapy. It may be implicated in altered serine metabolism and schizophrenia spectrum conditions. (PMID: 18221502, 20955740)

Storage

Storage:

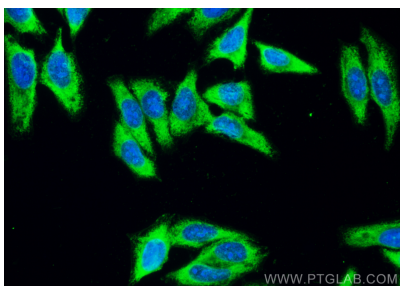
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 PSAT1 antibody (CL488-81479, Clone: 1022) at dilution of 1:200.