

Spermidine synthase Monoclonal antibody

Catalog Number: 68548-1-Ig

Basic Information

Catalog Number:

68548-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG33919

GenBank Accession Number:

BC000309

GeneID (NCBI):

6723

UNIPROT ID:

P19623

Full Name:

spermidine synthase

Calculated MW:

302 aa, 34 kDa

Observed MW:

34 kDa

Purification Method:

Protein A purification

CloneNo.:

2F4E10

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

Applications

Tested Applications:

IF/ICC, WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells

IF/ICC : RAW 264.7 cells,

Background Information

Spermidine synthase is an enzyme that catalyzes the transfer of the propylamine group from S-adenosylmethionine to putrescine in the biosynthesis of spermidine. The polyamines putrescine, spermine, and spermidine are ubiquitous polycationic mediators of cell growth and differentiation. Spermidine synthases catalyze the production of the linear triamine, spermidine, from putrescine. They utilize decarboxylated S-adenosylmethionine (dc-SAM), a universal cofactor of aminopropyltransferases, as a donor of the aminopropyl moiety (PMID:31134111).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

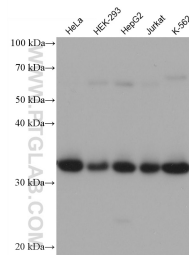
For technical support and original validation data for this product please contact:

T: 4006900926

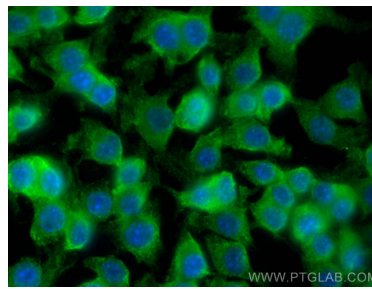
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68548-1-Ig (Spermidine synthase antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using Spermidine synthase antibody (68548-1-Ig, Clone: 2F4E10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).