

For Research Use Only

SSBP1 Recombinant antibody

Catalog Number: 84939-3-RR



Basic Information

Catalog Number:

84939-3-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2860

GenBank Accession Number:

BC000895

GeneID (NCBI):

6742

UNIPROT ID:

Q04837

Full Name:

single-stranded DNA binding protein

1

Calculated MW:

148 aa, 17 kDa

Observed MW:

17 kDa

Purification Method:

Protein A purification

CloneNo.:

242519C5

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : A375 cells, A549 cells, Caco-2 cells

Background Information

SSBP1 is a housekeeping gene involved in mitochondrial biogenesis. It binds preferentially and cooperatively to ss-DNA in the maintenance of genome stability. SSBP1 acted as a homotetramer to stabilize the displaced single strand of the normal and expanded displacement loop (D loop) during mtDNA replication, thus preventing formation of secondary single-stranded DNA structures, which could stop the gamma-DNA polymerase.

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:

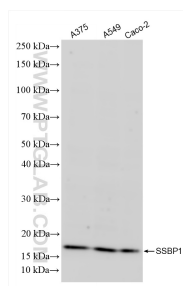
T: 4006900926

E: Proteintech-CN@ptglab.com

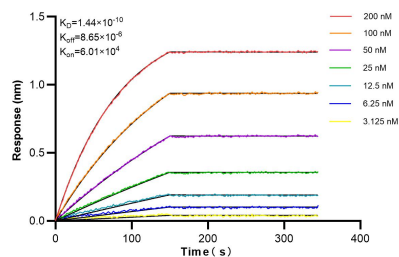
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84939-3-RR (SSBP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84939-3-RR against Human SSBP1 were performed. The affinity constant is 0.144 nM.