

For Research Use Only

SYCP3 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86648-2-PBS



Basic Information

Catalog Number:

86648-2-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32466

GenBank Accession Number:

BC062662

GeneID (NCBI):

50511

UNIPROT ID:

Q8IZU3

Full Name:

synaptonemal complex protein 3

Calculated MW:

236 aa, 28 kDa

Observed MW:

30 kDa, 33 kDa

Purification Method:

Protein A purification

CloneNo.:

251653A5

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

SYCP3 is an essential structural component of the synaptonemal complex. This complex is involved in synapsis, recombination and segregation of meiotic chromosomes. SYCP3 is required for centromere pairing during meiosis in male germ cells. SYCP3 is also required for normal meiosis during spermatogenesis and male fertility. Mutations in SYCP3 are associated with azoospermia in males and susceptibility to pregnancy loss in females.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

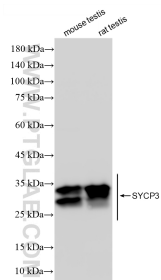
T: 4006900926

E: Proteintech-CN@ptglab.com

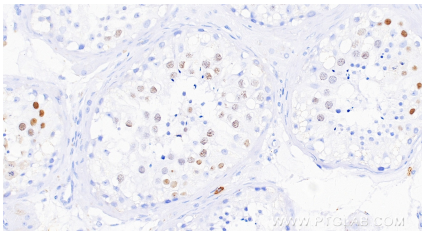
W: ptgcn.com

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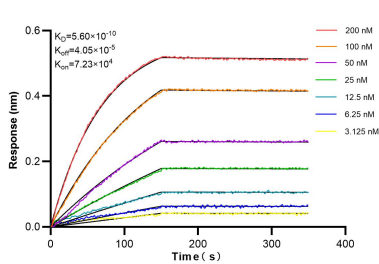
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86648-2-RR (SYCP3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86648-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 86648-2-RR (SYCP3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86648-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86648-2-RR against Human SYCP3 were performed. The affinity constant is 0.56 nM.