

# SCP3 Monoclonal antibody

Catalog Number: 66409-1-Ig

## Basic Information

Catalog Number:

66409-1-Ig

Size:

1200 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG19330

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

Purification Method:

Protein A purification

CloneNo.:

1A11F1

Recommended Dilutions:

WB 1:1000-1:8000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : human testis tissue, DU 145 cells

## 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:

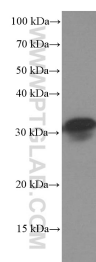
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 66409-1-Ig (SYCP3 Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.