

## Rabbit Anti-SYCE1/AF647 Conjugated antibody

SL24179R-AF647

<b>Product Name</b>	Anti-SYCE1/AF647
<b>Chinese Name</b>	AF647 标记的 SYCE1 蛋白抗体
<b>Alias</b>	bA108K14.6; C10orf94; Cancer/testis antigen 76; CT76; RP11-108K14.6; Syce1; SYCE1_MOUSE; Synaptonemal complex central element protein 1.
<b>Research Area</b>	Cell biology immunology Cyclin
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Rat(predicted:Mouse) IF=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	40kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from mouse SYCE1
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 1M PBS, pH 7.4. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b> This gene encodes a member of the synaptonemal complex, which links homologous chromosomes during prophase I of meiosis. The tripartite structure of the complex is highly conserved amongst metazoans. It consists of two lateral elements and a central region formed by transverse elements and a central element. The protein encoded by this gene localizes to the central

element and is required for initiation and elongation of the synapsis. Allelic variants of this gene have been associated with premature ovarian failure and spermatogenic failure. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2016]

**Function:**

Major component of the transverse central element of synaptonemal complexes (SCS), formed between homologous chromosomes during meiotic prophase. Requires SYCP1 in order to be incorporated into the central element. May have a role in the synaptonemal complex assembly, stabilization and recombination.

**Subcellular Location:**

Nucleus. Chromosome. Associates with chromatin. In prophase I stage of meiosis, localizes in the transverse central elements of the central region between lateral elements of the synaptonemal complexes. Found only where the chromosome cores are synapsed. Colocalizes with SYCE2 in the central elements.

**Similarity:**

Belongs to the SYCE family.

**Database links:**

[Entrez Gene: 93426](#) Human

[Entrez Gene: 74075](#) Mouse

[Omim: 611486](#) Human

[SwissProt: Q8N0S2](#) Human

[SwissProt: Q9D495](#) Mouse

[Unigene: 553795](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.