



## Rabbit Anti-CYLC2 antibody

SL14142R

<b>Product Name:</b>	CYLC2
<b>Chinese Name:</b>	CYLC2蛋白抗体
<b>Alias:</b>	CYL2; CYLC 2; Cylicin 2; Cylicin basic protein of sperm head cytoskeleton 2; Cylicin II; Cylicin2; Cylicin-2; MGC129591; Multiple band polypeptide II.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	39kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CYLC2:21-120/348
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Cylicin-2 is a 348 amino acid protein encoded by the human gene CYLC2. Cylicin-1 is a type of a cytoskeletal protein which contains numerous Lys-Lys-Asp tripeptides accumulated in nine central repetitive units predicted to form a-helices. Cylicin-2, present in cow and human sperm heads, has the same prominent molecular characteristics as Cylicin-1, including a high content of charged amino acids, the abundance of Lys-Lys-Asp tripeptides and repetitive units of presumably a-helical

configuration. Cylicin-2 is found in the acrosomal region of round spermatids and in the post-acrosomal region of late spermatids and spermatozoa, in agreement with the localization of Cylicin-1. Cylicin-2 is a novel Actin-binding protein, which probably plays a role in the Actin-related events that occur during spermiogenesis and the early events of fertilization.

**Function:**

CYCL2 (Cylicin II) is specifically expressed in testis and is part of the cytoskeletal calyx of mammalian sperm heads. Cylicin II may play a role in the morphogenesis of the sperm head and may be involved in spermatid differentiation.

**Subcellular Location:**

Cytoplasm, cytoskeleton, perinuclear theca, calyx. Note=Sperm head cytoskeletal structure.

**Tissue Specificity:**

Testis.

**SWISS:**

P08574

**Gene ID:**

1537

**Database links:**

[Entrez Gene: 1537](#) Human

[Entrez Gene: 1539](#) Human

[Omim: 604035](#) Human

[SwissProt: P08574](#) Human

[SwissProt: Q14093](#) Human

**Important Note:**

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