




Rabbit Anti-SOHLH2 antibody

SL12279R

Product Name:	SOHLH2
Chinese Name:	精子卵子结合生成碱性螺旋蛋白2抗体
Alias:	FLJ20449; FLJ57222; Solh2; Spermatogenesis- and oogenesis-specific basic helix-loop-helix-containing protein 2; TEB1; SOLH2_HUMAN.
文献引用  :	Specific References(1) SL12279R has been referenced in 1 publications. [IF=3.45]Ding, Jin, et al. "Protection of Murine Spermatogenesis Against Ionizing Radiation-Induced Testicular Injury by a Green Tea Polyphenol." Biology of Reproduction (2014): biolreprod-114. Mouse . PubMed:25395675
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=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.
Molecular weight:	47kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Human SOHLH2:221-320/425
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	<p>SOHLH2 is a 425 amino acid nuclear protein that contains one basic helix-loop-helix (bHLH) domain through which it may function as a transcription factor during oogenesis and spermatogenesis. SOHLH2 exists as two alternatively spliced isoforms that are encoded by a gene which maps to human chromosome 13q13.3. Chromosome 13 houses over 400 genes, such as BRCA2 and RB1, and comprises nearly 4% of the human genome. Trisomy 13, also known as Patau syndrome, is deadly and the few who survive past one year suffer from permanent neurologic defects, difficulty eating and vulnerability to serious respiratory infections.</p> <p>Function: Sohlh2, spermatogenesis- and oogenesis-specific basic helix-loop-helix-containing protein 2, is a basic loop helix transcription factor. Sohlh2 is normally expressed in pre-meiotic germ cells and testis and involved in spermatogenesis and oogenesis. Male Sohlh2 deficient mice are infertile due to a block in spermatogenesis.</p> <p>Subcellular Location: Nuclear</p> <p>Similarity: Contains 1 bHLH (basic helix-loop-helix) domain.</p> <p>SWISS: Q9NX45</p> <p>Gene ID: 100526761</p> <p>Database links: Entrez Gene: 100526761Human Entrez Gene: 54937Human SwissProt: Q9NX45Human Unigene: 124519Human</p> <p>Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.</p>