



Rabbit Anti-Sohlh1 antibody

SL12278R

Product Name:	Sohlh1
Chinese Name:	精子卵子结合生成碱性螺旋蛋白抗体
Alias:	GM110; Helix Loop Helix Protein TOHLH1; Sohlh1; SOLH1_HUMAN; Spermatogenesis- and oogenesis-specific basic helix-loop-helix-containing protein 1; TOHLH1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,
Applications:	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.
Molecular weight:	35kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Sohlh1:51-118/328
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:	SOHLH1 is a 328 amino acid protein that localizes to both the nucleus and the cytoplasm and contains one bHLH domain through which it may function as a transcription factor during oogenesis and spermatogenesis. The gene encoding SOHLH1 maps to human chromosome 9, which houses over 900 genes and comprises nearly 4% of the human genome. Hereditary hemorrhagic telangiectasia, which is

characterized by harmful vascular defects, and Familial dysautonomia, are both associated with chromosome 9. Notably, chromosome 9 encompasses the largest interferon family gene cluster.

Function:

Probable transcription factor required during spermatogenesis and oogenesis.

Subcellular Location:

Cytoplasm. Nucleus.

DISEASE:

Note=Genetic variations in SOHLH1 may be associated with non-obstructive azoospermia.

Similarity:

Contains 1 basic helix-loop-helix (bHLH) domain.

SWISS:

Q5JUK2

Gene ID:

402381

Database links:

UniProtKB/Swiss-Prot: Q5JUK2.4

Important Note:

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