

Sohlh1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54809**Specification**

Sohlh1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q5JUK2
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Sohlh1
Epitope Specificity	51-118/328
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus.
SIMILARITY	Contains 1 basic helix-loop-helix (bHLH) domain.
DISEASE	Note=Genetic variations in SOHLH1 may be associated with non-obstructive azoospermia.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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.

Sohlh1 Polyclonal Antibody - Additional Information**Gene ID** 402381**Other Names**

Spermatogenesis- and oogenesis-specific basic helix-loop-helix-containing protein 1, SOHLH1, C9orf157, NOHLH, TEB2

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Sohlh1 Polyclonal Antibody - Protein Information

Name SOHLH1

Synonyms C9orf157, NOHLH, TEB2

Function

Transcription regulator of both male and female germline differentiation. Suppresses genes involved in spermatogonial stem cells maintenance, and induces genes important for spermatogonial differentiation. Coordinates oocyte differentiation without affecting meiosis I (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q6IUP1}. Nucleus {ECO:0000250|UniProtKB:Q6IUP1, ECO:0000255|PROSITE-ProRule:PRU00981}

Sohlh1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Sohlh1 Polyclonal Antibody - Images