



Rabbit Anti-NHLH1 antibody

SL11901R

Product Name:	NHLH1
Chinese Name:	环一螺旋蛋白1抗体
Alias:	bHLHa35; Class A basic helix-loop-helix protein 35; Helix-loop-helix protein 1; HEN-1; HEN1; HEN1_HUMAN; Nescient helix loop helix 1; Nhlh1; NSCL; NSCL-1; NSCL1; OTTHUMP00000031860.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
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:	15kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NHLH1:51-133/133
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:	The helix-loop-helix (HLH) structures are known motifs commonly found in membrane-active and DNA-binding proteins. The helix-loop-helix proteins HEN1 and HEN2 are DNA-binding proteins that may be involved in cell-type determination in the early nervous system. Studies of expression in normal tissues have demonstrated expression of NHLH1/NSCL-1 and NHLH2/NSCL-2, the genes encoding HEN1 and HEN2, in the

developing central and peripheral nervous system, specifically in developing neurons.

Function:

May serve as DNA-binding protein and may be involved in the control of cell-type determination, possibly within the developing nervous system.

Subunit:

Efficient DNA binding requires dimerization with another bHLH protein.

Subcellular Location:

Nucleus.

Similarity:

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

SWISS:

Q02575

Gene ID:

4807

Database links:

[Entrez Gene: 530196](#)Cow

[Entrez Gene: 4807](#)Human

[Omin: 162360](#)Human

[SwissProt: Q02575](#)Human

[Unigene: 30956](#)Human

Important Note:

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