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Rabbit Anti-NHLH1 + NHLH2 antibody

SL11523R

Product Name:	NHLH1 + NHLH2
Chinese Name:	螺旋环螺旋蛋白1+2抗体
Alias:	HEN1; HEN2; Nescient helix loop helix 1; HEN1_HUMAN . Nescient helix loop helix 2; NSCL; NSCL1; NSCL2; HEN2_HUMAN.
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 + NHLH2:91-130/133
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:
NHLH1 and NHLH2 are two basic domain helix-loop-helix (bHLH) proteins expressed predominantly in the developing nervous system and also in some cell lines derived from tumors with neural or neuroendocrine features such as neuroblastoma, PNET, and small cell lung cancer.

Subunit:
Efficient DNA binding requires dimerization with another bHLH protein.

Subcellular Location:
Nucleus

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

SWISS:
Q02575

Gene ID:
4807

Database links:

Entrez Gene: 4807Human

Entrez Gene: 4808Human

Entrez Gene: 18071Mouse

Entrez Gene: 18072Mouse

Omim: 162360Human

Omim: 162361Human

SwissProt: Q02575Human

SwissProt: Q02577Human

SwissProt: Q02576Mouse

SwissProt: Q64221Mouse

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