



## Rabbit Anti-HELT antibody

SL11851R

<b>Product Name:</b>	HELT
<b>Chinese Name:</b>	转录因子HELT蛋白抗体
<b>Alias:</b>	Hairy and enhancer of split-related protein HELT; HCM1228; HELT; HELT_HUMAN; HES like ; HES/HEY like transcription factor; HES/HEY-like transcription factor; HESL; Heslike ; Hey like transcription factor; Hey like transcription factor (zebrafish); Hey like transcriptional repressor; Megane bHLH factor; Mgn.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,Horse,Rabbit,Zebrafish,Sheep,
<b>Applications:</b>	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.
<b>Molecular weight:</b>	36kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HELT:156-220/327
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The Drosophila hairy and Enhancer of split genes encode basic helix-loop-helix (bHLH) transcriptional repressors that function in the Notch signaling pathway and control segmentation and neural development during embryogenesis. The Notch signaling pathway is thought to maintain stem cells through transcriptional activation of

HES/HEY family members to repress tissue-specific transcription factors. HESL (HES-like), also known as Mgn or HELT (HES/HEY-like transcription factor), is a 327 amino acid nuclear protein belonging to the HEY family. Containing a basic helix-loop-helix (bHLH) domain and an Orange domain, HESL self-associates and interacts with HES5 and HRT2. HESL is considered a transcriptional repressor that binds to the canonical E box sequence 5'-CACGCG-3'. HESL exists as two isoforms produced by alternative splicing events.

**Function:**

Transcriptional repressor which binds preferentially to the canonical E box sequence 5'-CACGCG-3'.

**Subunit:**

Self-associates. Interacts with HES5 and HEY2

**Subcellular Location:**

Nucleus.

**Similarity:**

Belongs to the HEY family.

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

Contains 1 Orange domain.

**SWISS:**

A6NFD8

**Gene ID:**

391723

**Database links:**

[Entrez Gene: 391723](#)Human

[Entrez Gene: 234219](#)Mouse

[Entrez Gene: 498633](#)Rat

[Entrez Gene: 404275](#)Zebrafish

[SwissProt: A6NFD8](#)Human

[SwissProt: Q7TS99](#)Mouse

[SwissProt: Q6QB00](#)Zebrafish

[Unigene: 531242](#)Human

[Unigene: 145631](#)Mouse

[Unigene: 91513](#)Zebrafish

**Important Note:**

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

[www.sunlongbiotech.com](http://www.sunlongbiotech.com)