



## Rabbit Anti-HES1 antibody

SL23073R

<b>Product Name:</b>	HES1
<b>Chinese Name:</b>	转录因子HES-1抗体
<b>Alias:</b>	bHLHb39; C-HAIRY1; c-hairy1A; Class B basic helix-loop-helix protein 39; FLJ20408; Hairy and enhancer of split 1 (Drosophila); Hairy and enhancer of split 1; Hairy Enhancer of Split 1; Hairy homolog (Drosophila); Hairy Homolog; Hairy like; Hairy, Drosophila, homolog of; Hairy-like protein; Hairy/enhancer of split, Drosophila, homolog of, 1; HAIRY1; HES-1; hes1; Hes1 hairy and enhancer of split 1 (Drosophila); HES1_HUMAN; HHL; HL; HRY; RHL; Transcription factor HES 1; Transcription factor HES-1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Rabbit,Sheep,
<b>Applications:</b>	ELISA=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>	30kDa
<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 HES1:251-280/280
<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>	Transcriptional repressor of genes that require a bHLH protein for their transcription.

May act as a negative regulator of myogenesis by inhibiting the functions of MYOD1 and ASH1. Binds DNA on N-box motifs: 5'-CACNAG-3' with high affinity and on E-box motifs: 5'-CANNTG-3' with low affinity.

**Function:**

Transcriptional repressor of genes that require a bHLH protein for their transcription. May act as a negative regulator of myogenesis by inhibiting the functions of MYOD1 and ASH1. Binds DNA on N-box motifs: 5'-CACNAG-3' with high affinity and on E-box motifs: 5'-CANNTG-3' with low affinity.

**Subunit:**

Transcription repression requires formation of a complex with a corepressor protein of the Groucho/TLE family. Interacts (via WPRW motif) with TLE1, and more weakly with TLE2. Interacts with HES6 (By similarity). Interacts with SIRT1. Interacts with an FA complex, composed of FANCA, FANCF, FANCG and FANCL, but not of FANCC, nor FANCE.

**Subcellular Location:**

Nucleus.

**Similarity:**

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

**SWISS:**

Q14469

**Gene ID:**

3280

**Database links:**

[Entrez Gene: 395128](#)Chicken

[Entrez Gene: 539547](#)Cow

[Entrez Gene: 3280](#)Human

[Entrez Gene: 15205](#)Mouse

[Entrez Gene: 100499567](#)Pig

[Entrez Gene: 29577](#)Rat

[Omim: 139605](#)Human

[SwissProt: O57337](#)Chicken

[SwissProt: Q3ZBG4](#)Cow

[SwissProt: Q14469](#)Human

[SwissProt: P35428](#)Mouse

[SwissProt: Q04666](#)Rat

[Unigene: 250666](#)Human

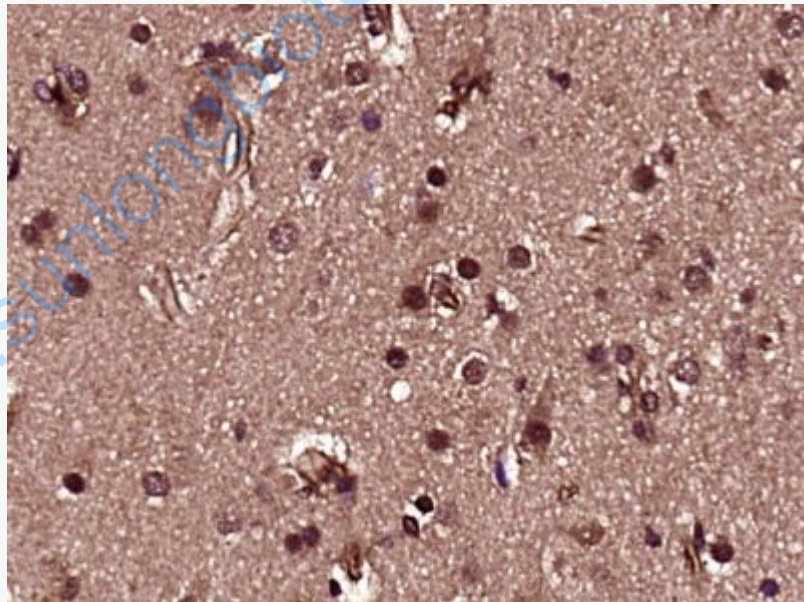
[Unigene: 390859](#)Mouse

[Unigene: 19727](#)Rat

**Important Note:**

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

**Picture:**



Paraformaldehyde-fixed, paraffin embedded (Human glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HES1) Polyclonal Antibody, Unconjugated (SL23073R) at 1:400 overnight at 4°C, followed by operating according to SP

	Kit(Rabbit) (sp-0023) instructions and DAB staining.
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