

**Hes1 Antibody**  
**Rabbit mAb**  
**Catalog # AP90652****Specification**

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**Hes1 Antibody - Product Information**

Application	WB, IHC, FC, ICC
Primary Accession	<a href="#">Q14469</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
HES1; BHLHB39; HHL; HL; Hairy and enhancer of split 1; Hairy homolog; HRY; Hairy homolog (Drosophila); Transcription factor HES-1; Hairy-like protein; HES-1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	29541 Da

**Hes1 Antibody - Additional Information**

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Hes1
Description	HES1 (Hairy and Enhancer of Split 1) is one of seven members of the HES family of basic helix-loop-helix (bHLH) transcription factors which function primarily to repress transcription of bHLH-dependent genes. HES1 is understood to play an important conserved role in maintaining pluripotency of embryonic and adult stem/progenitor cells via the transcriptional repression of genes that promote differentiation.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Hes1 Antibody - Protein Information****Name** HES1**Synonyms** BHLHB39, HL, HRY**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

(By similarity). May play a role in a functional FA core complex response to DNA cross-link damage, being required for the stability and nuclear localization of FA core complex proteins, as well as for FANCD2 monoubiquitination in response to DNA damage.

#### Cellular Location

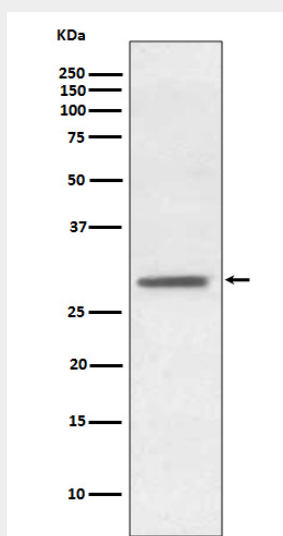
Nucleus.

#### Hes1 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](#)

#### Hes1 Antibody - Images



Western blot analysis of Hes1 expression in SH-SY5Y cell lysate.