

## HES1 Antibody (N-term T24) Blocking Peptide

Synthetic peptide  
Catalog # BP6276a

### Specification

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#### HES1 Antibody (N-term T24) Blocking Peptide - Product Information

Primary Accession [O14469](#)

#### HES1 Antibody (N-term T24) Blocking Peptide - Additional Information

Gene ID 3280

#### Other Names

Transcription factor HES-1, Class B basic helix-loop-helix protein 39, bHLHb39, Hairy and enhancer of split 1, Hairy homolog, Hairy-like protein, hHL, HES1, BHLHB39, HL, HRY

#### Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6276a](/product/products/AP6276a) was selected from the N-term region of human HES1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

#### Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

#### Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

#### HES1 Antibody (N-term T24) Blocking Peptide - 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 (N-term T24) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **HES1 Antibody (N-term T24) Blocking Peptide - Images**

## **HES1 Antibody (N-term T24) Blocking Peptide - Background**

HES1 belongs to the basic helix-loop-helix family of transcription factors. It is a transcriptional repressor of genes that require a bHLH protein for their transcription. HES1 has a particular type of basic domain that contains a helix interrupting protein that binds to the N-box rather than the canonical E-box.

## **HES1 Antibody (N-term T24) Blocking Peptide - References**

Liu,J., Int. J. Gynecol. Cancer 17 (6), 1293-1299 (2007) Karlsson,C., J. Orthop. Res. 25 (2), 152-163 (2007)