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HES1 Antibody (N-term T24) Blocking Peptide

Synthetic peptide
Catalog # BP6276a

Specification

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

Primary Accession Q14469

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 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

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)

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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