

Product Datasheet

Hes1 Antibody

Catalog No: CY5649

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF FC



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Information

UniProt ID: Q14469

All Names: 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;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 30 kDa

Application

WB: 1:500~1:2000

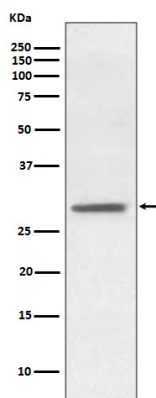
IHC: 1:50~1:200

ICC/IF: 1:50~1:200

FC: 1:50

Background

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 (1). 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 (1,2). HES1 is particularly well known as a repressive mediator of the canonical Notch signaling pathway (3). HES1 plays a key role in mediating Notch-dependent T cell lineage commitment (4), and has been reported to be an essential mediator of Notch-induced T cell acute lymphoblastic leukemia (T-ALL) (4,5).



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

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