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(818)-707-0392 (Fax)
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HES1 (C) Antibody, Rabbit Polyclonal

Cat#: R0753-2

Quantity: 100 ul

Predicted | Observed MW: 30 | 35 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q14469

Background:

Transcription factor HES-1 (HES1) is a transcriptional repressor of genes that require a bHLH protein for their transcription. HES1 may act as a negative regulator of myogenesis by inhibiting the functions of MYOD1 and ASH1. HES1 binds DNA on N-box motifs: 5'-CACNAG-3' with high affinity and on E-box motifs: 5'-CANNTG-3' with low affinity, and may play a role in a functional FA core complex in response to DNA cross-link damage. HES1 is required for the stability and nuclear localization of FA core complex proteins, as well as for FANCD2 monoubiquitination in response to DNA damage.

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, BHLHB39, HL, HRY

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human HES1. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

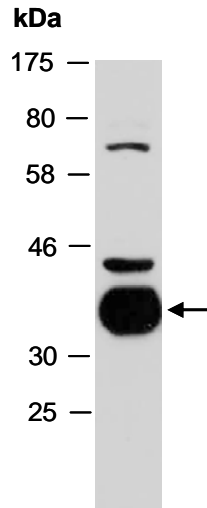


Fig 1. Western blot of total cell extracts from mouse brain, using anti-HES1 (C) (R0753-2) at RT for 2 h.