

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human HES-1 in direct ELISAs and Western blots. In direct ELISAs, less than 2% cross-reactivity with recombinant human (rh) HES-2, rhHES-4, rhHES-5, rhHES-6, and rhHES-7 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human HES-1 Arg93-Asn280 Accession # Q14469
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

HES-1 is a transcriptional repressor that is a target of notch signaling. It contains a basic helix-loop-helix (bHLH) DNA-binding domain, an Orange domain and a C-terminal tetrapeptide WRPW motif that binds to the Groucho (Gro)/TLE/Grg family of corepressors. HES-1 can form both homo- and heterodimers with other HES family members. Dimerization is mediated through both the bHLH and the downstream Orange domain. Over the sequence used for immunization, human HES-1 shares 97% and 98% amino acid sequence identity with mouse and rat HES-1, respectively.

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