

Datasheet for ABIN307170
anti-HES1 antibody (AA 24-35)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	50 µg
Target:	HES1
Binding Specificity:	AA 24-35
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Zebrafish (Danio rerio), Horse, Monkey, Bat, Xenopus laevis, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HES1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide corresponding to aa24-35 (TPDKPKTASEH) OF HES1. Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Bat, Bovine, Horse, Rabbit, Xenopus, Salmon, Stickleback, Pufferfish, Zebrafish (100%), Newt, Smelt (91%), Chicken (82%). Type of Immunogen: Synthetic peptide
Isotype:	IgG

Product Details

Specificity:	Recognizes human HES-1 (Hairy family).
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Bat, Bovine, Horse, Rabbit, Xenopus, Salmon, Stickleback, Pufferfish, Zebrafish (100%) Newt, Smelt (91%) Chicken (82%).
Purification:	Immunoaffinity purified

Target Details

Target:	HES1
Alternative Name:	HES1 / HES-1 (HES1 Products)
Background:	<p>Name/Gene ID: HES1</p> <p>Synonyms: 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</p>
Gene ID:	3280
UniProt:	Q14469
Pathways:	DNA Damage Repair

Application Details

Application Notes:	<p>Approved: IF, IHC, IHC-Fr, IHC-P (5 µg/mL), WB (1:200 - 1:1000)</p> <p>Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL. Positive control: Human neural stem cells, Raji cell lysate.</p>
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

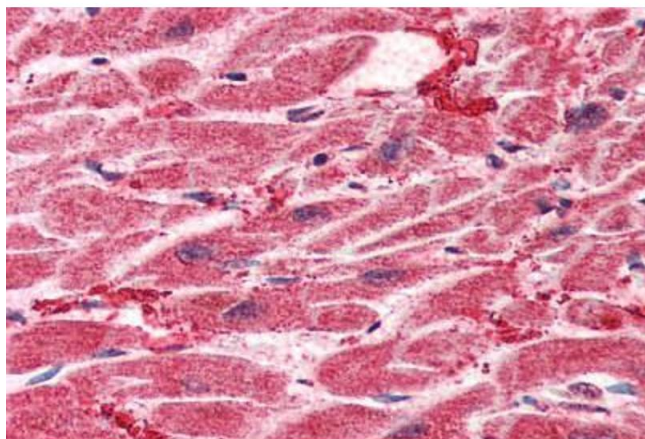
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, pH 7.2. No preservative added.
Preservative:	Without preservative
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.

Publications

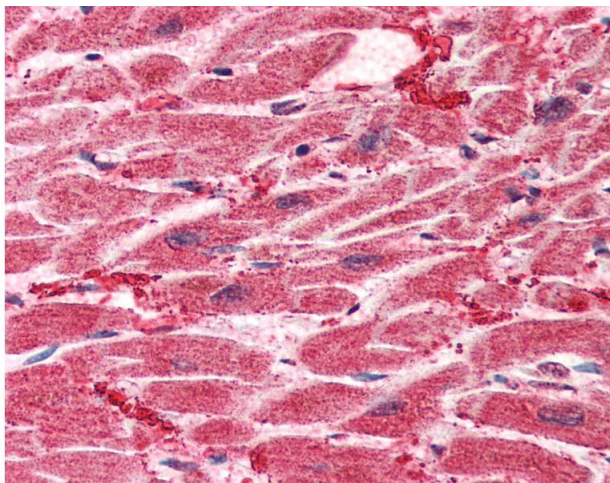
Product cited in: Moya, Umans, Maas, Pereira, Beets, Francis, Sents, Robertson, Mummery, Huylebroeck, Zwijsen : "Stalk cell phenotype depends on integration of Notch and Smad1/5 signaling cascades." in: **Developmental cell**, Vol. 22, Issue 3, pp. 501-14, (2012) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Heart (formalin-fixed, paraffin-embedded) stained with HES1 antibody ABIN307170 at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-HES1 antibody IHC of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.