

Rabbit Hes1 Polyclonal Antibody | anti-Hes1 antibody

Hes1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327228	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

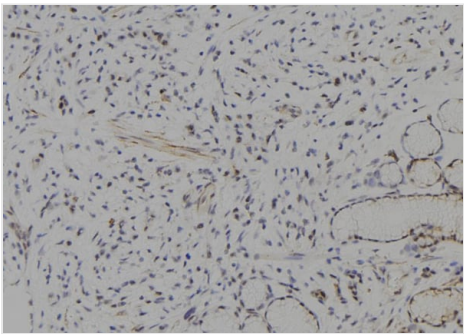
PRODUCT SYNONYMS

Hes1; Polyclonal Antibody; Hes1 Antibody; bHLHb39; C-HAIRY1; c-hairy1A; Class B basic helix-loop-helix protein 39; FLJ20408; Hairy and enhancer of split 1 (Drosophila); Hairy and enhancer of split 1; Hairy homolog (Drosophila); Hairy homolog; Hairy like; Hairy; Drosophila; homolog of; Hairy-like protein; Hairy/enhancer of split; 1; HAIRY1; HES-1; hes1; Hes1 hairy and enhancer of split 1 (Drosophila); HES1_HUMAN; HHL; HL; HRY; MGC129109; OTTHUMP00000209031; RHL; Transcription factor HES-1; anti-Hes1 antibody

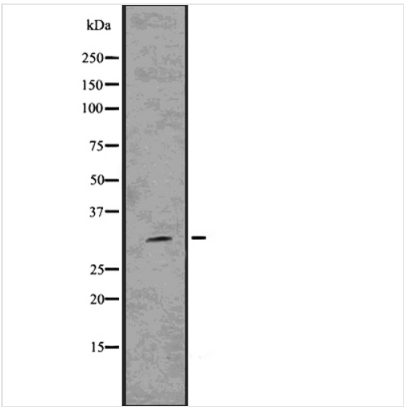
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Hes1 antibody detects endogenous levels of total Hes1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	280
Applicable Applications for anti-Hes1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Hes1
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

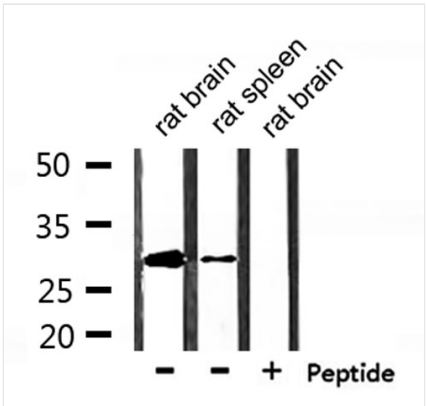
IMAGES



IHC (Immunohistochemistry)
AAA327228 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Hes1 using 293 whole cell lysates



WB (Western Blot)
Western blot analysis of extracts from rat brain and rat spleen, using Hes1 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-Hes1 antibody

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. Subunit Structure: Transcription repression requires formation of a complex with a corepressor protein of the Groucho/TLE family. Interacts (via WPRW motif) with TLE1, and more weakly with TLE2. Interacts with HES6 (By similarity). Interacts with SIRT1. Interacts with an FA complex, composed of FANCA, FANCF, FANCG and FANCL, but not of FANCC, nor FANCE.

Similarity: Has a particular type of basic domain (presence of a helix-interrupting proline) that binds to the N-box (CACNAG), rather than the canonical E-box (CANNTG).The C-terminal WRPW motif is a transcriptional repression domain necessary for the interaction with Groucho/TLE family members, transcriptional corepressors recruited to specific target DNA by Hairy-related proteins.The bHLH, as well as cooperation between the central Orange domain and the C-terminal WRPW motif, is required for transcriptional repressor activity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031763
NCBI GeneID	3280
NCBI Accession #	NP_005515.1
NCBI GenBank Nucleotide #	NM_005524.3
UniProt Accession #	Q14469; Q6FHB2

Molecular Weight	Observed: 30 kDa Predicted: 30 kDa
NCBI Official Full Name	transcription factor HES-1
NCBI Official Synonym Full Names	hes family bHLH transcription factor 1
NCBI Official Symbol	HES1
NCBI Official Synonym Symbols	HHL; HRY; HES-1; bHLHb39
NCBI Protein Information	transcription factor HES-1
UniProt Protein Name	Transcription factor HES-1
UniProt Gene Name	HES1
UniProt Synonym Gene Names	BHLHB39; HL; HRY; bHLHb39; hHL

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hes1-antibody-immunohistochemistry-western-blot-elisa/327228>