

Rabbit HES1 Polyclonal Antibody | anti-HES1 antibody

HES1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23407	Rabbit	Tested Species Reactivity: Human Mouse Predicted Reactivity: Human, Mouse, Rat, Cow, Guinea Pig, Horse, Rabbit, Zebrafish	Immunofluorescence, Immunoprecipitation, Immunohistochemistry, Western Blot

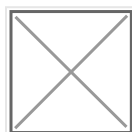
PRODUCT SYNONYMS

HES1; Polyclonal Antibody; HES1 antibody - N-terminal region; anti-HES1 antibody

PRODUCT SPECIFICATIONS

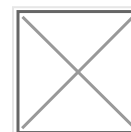
Host	Rabbit
Reactivity	Tested Species Reactivity: Human Mouse Predicted Reactivity: Human, Mouse, Rat, Cow, Guinea Pig, Horse, Rabbit, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	1.0 mg/mL (varies by lot)
Sequence	Synthetic peptide with the following region: NT TPDPKTASE HRKSSKPIKE KRRRARINES LSQKLTILD ALKKDSSR
Sequence Length	280
Applicable Applications for anti-HES1 antibody	IF (Immunofluorescence), IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Protein Size (#AA)	280 amino acids
Homology	Cow: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human HES1
Protein Interactions	STAT3; JAK2; APH1A; LTBR; ASGR2; TLE1; ELAVL1; PARP1; UBC; NUDT3; HDAC6; YWHAB; PTK2; NR4A1; HMGCL; GAPDH; FHL1; CSNK1E; APCS; FANCE; FANCC; FANCA; FANCL; SPTAN1; HSP90AA1; HSPA4; FANCG; FANCF; HDAC1; RUNX2; HES6; ID4; ID1; SIRT1; UBQLN1; HEY2; ID2; ID3;
Sample Type Confirmation	HES1 is strongly supported by BioGPS gene expression data to be expressed in Raji
Preparation and Storage	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

HES1 antibody - N-terminal region validated by WB using transfected Ls174T cell lysate at 1 µg/mL.



WB (Western Blot)

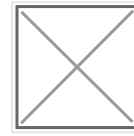
25 µg of the indicated Human whole cell extracts was loaded onto a 12% SDS-PAGE gel. 1 µg/mL of the antibody was used in this experiment. Canonical 30 kDa isoform is identified, and a second isoform of 23 kDa is also present in some samples in N36.

**WB (Western Blot)**

WB Suggested Anti-HES1 Antibody Titration: 1.25ug/ml Positive Control: Raji cell lysate HES1 is strongly supported by BioGPS gene expression data to be expressed in Human Raji cells

**WB (Western Blot)**

HES1 antibody - N-terminal region validated by WB using Mouse embryo tissue at 1:800.

**IP (Immunoprecipitation)**
K562**IHC (Immunohistochemistry)**

Rabbit Anti-HES1 Antibody Paraffin Embedded Tissue: Human cardiac cell Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-HES1 antibody	This is a rabbit polyclonal antibody against HES1. It was validated on Western Blot and immunohistochemistry Target Description: HES1 belongs to the basic helix-loop-helix family of transcription factors. It is a transcriptional repressor of genes that require a bHLH protein for their transcription. The protein has a particular type of basic domain that contains a helix interrupting protein that binds to the N-box rather than the canonical E-box.
Product Categories/Family for anti-HES1 antibody	Polyclonal ; Transcription Factor ; Neurobiology ; Transcription Regulation ; Phosphorylation ; Transcription Factors ; Cell Morphogenesis ; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031763
NCBI GeneID	3280
NCBI Accession #	NP_005515
NCBI GenBank Nucleotide #	NM_005524
UniProt Accession #	Q14469
Molecular Weight	30kDa
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
UniProt Entry Name	HES1_HUMAN

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-immunofluorescence-immunoprecipitation-immunohistochemistry-western-blot-elisa/23407>