

**bs-23073R****[ Primary Antibody ]****Bioss**  
ANTIBODIES

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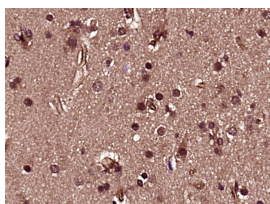
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**HES1 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 3280	<b>SWISS:</b> Q14469	<b>IF</b> (1:100-500)
<b>Target:</b> HES1		<b>Reactivity:</b> Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human HES1: 251-280/280.		<b>Predicted MW.:</b> 30 kDa
<b>Purification:</b> affinity purified by Protein A		<b>Subcellular Location:</b> Nucleus
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> 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.		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (Human glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HES1) Polyclonal Antibody, Unconjugated (bs-23073R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=5.1]** Qu Ruyi. et al. RBPJ Knockdown Promotes M2 Macrophage Polarization Through Mitochondrial ROS-mediated Notch1-Jagged1-Hes1 Signaling Pathway in Uveitis. INFLAMMATION. 2024 May;;1-18 IF ;Rat. 38761249
- **[IF=4.5]** Ruyi Qu. et al.RBPJ Knockdown Promotes M2 Macrophage Polarization Through Mitochondrial ROS-mediated Notch1-Jagged1-Hes1 Signaling Pathway in Uveitis.INFLAMMATION.2025 Feb;48(1):133-150. IF ;Rat. 38761249
- **[IF=2.9]** Xiao-yue Guan. et al. Blocking Gremlin1 inhibits M1 macrophage polarization through Notch1/Hes1 signaling pathway in apical periodontitis. IMMUNOPHARM IMMUNOT. 2024 八月 27 IHC ;Rat. 39134472
- **[IF=2.9]** Cunping Yin. et al.Notch 2 from bone marrow mesenchymal stem cells alleviates smoke inhalation-induced lung injury by mediating alveolar cell differentiation...JOURNAL OF MOLECULAR HISTOLOGY.2025 Mar 22;56(2):113. Western blot ;Rat. 40119225

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.