

# Product Datasheet

## HES-1 Antibody - BSA Free

### NBP1-30912

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-30912**

HES-1 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol
<b>Target Molecular Weight</b>	30 kDa

**Product Description**

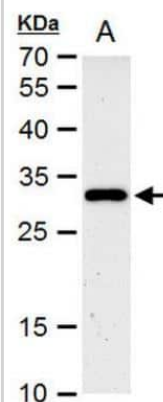
<b>Host</b>	Rabbit
<b>Gene ID</b>	3280
<b>Gene Symbol</b>	HES1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human HES-1. The exact sequence is proprietary.

**Product Application Details**

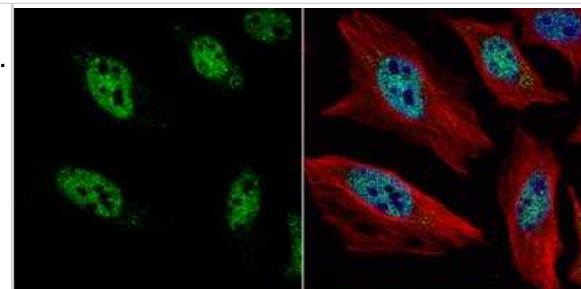
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunocytochemistry/ Immunofluorescence 1:100-1:2000, Immunoprecipitation 1:100-1:500

**Images**

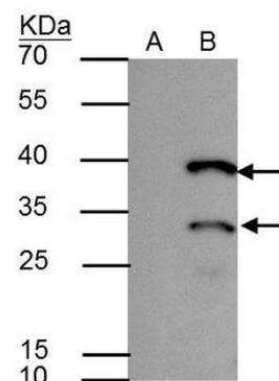
Western Blot: HES-1 Antibody [NBP1-30912] - PC-12 whole cell extract. 12 % SDS-PAGE HES1 antibody [N1], N-term dilution: 1:1000



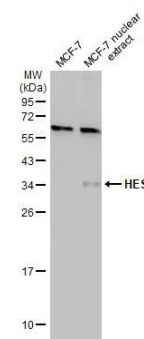
**Immunocytochemistry/Immunofluorescence:** HES-1 Antibody [NBP1-30912] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: HES1 protein stained by HES1 antibody [N1], N-term diluted at 1:2000. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [114] diluted at 1:1000. Blue: Hoechst 33342 staining.



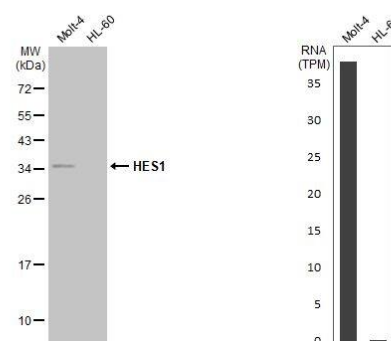
**Immunoprecipitation:** HES-1 Antibody [NBP1-30912] - A431 whole cell lysate/extract A : Control with 2.5 ug of pre-immune rabbit IgG B : Immunoprecipitation of HES1 by 2.5 ug of HES1 antibody 12% SDS-PAGE The immunoprecipitated HES1 protein was detected by HES1 antibody diluted at 1 : 1000. EasyBlot anti-rabbit IgG (HRP) was used as a secondary reagent.



**Western Blot:** HES-1 Antibody [NBP1-30912] - MCF-7 whole cell and nuclear extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with HES-1 antibody [N1], N-term (NBP1-30912) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



**Western Blot:** HES-1 Antibody [NBP1-30912] - Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with HES1 antibody [N1], N-term diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



## Publications

Kang H, Yang K, Xiao L et al. Osteoblast Hypoxia-Inducible Factor-1a Pathway Activation Restrains Osteoclastogenesis via the Interleukin-33-MicroRNA-34a-Notch1 Pathway. *Front Immunol.* 2017-10-31 [PMID: 29085370] (WB, Mouse)



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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-68846PEP	HES-1 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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