

Anti-HES6 Antibody

HA500577



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Rat
Applications:	WB, IF-Cell
Molecular Wt:	Predicted band size: 24 kDa

Description: Does not bind DNA itself but suppresses both HES1-mediated N box-dependent transcriptional repression and binding of HES1 to E box sequences. Also suppresses HES1-mediated inhibition of the heterodimer formed by ASCL1/MASH1 and TCF3/E47, allowing ASCL1 and TCF3 to up-regulate transcription in its presence. Promotes cell differentiation (By similarity).

Immunogen: Synthetic peptide within Mouse HES6 aa 1-50.

Positive control: U-937 cell lysate, HeLa cell lysate, 293T cell lysate, U-2 OS cell lysate, PC-12 cell lysate, PC-12.

Subcellular location: Nucleus.

Database links: SwissProt: Q96HZ4 Human
Entrez Gene: 316626 Rat

Recommended Dilutions:

WB	1:10,000
IF-Cell	1:400

Storage Buffer: 1*PBS (pH7.4), 0.1% BSA, 40% Glycerol, 0.2% Proclean 950.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Immunogen affinity purified.

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Orders:0086-571-88062880

Technical:0086-571-89986345

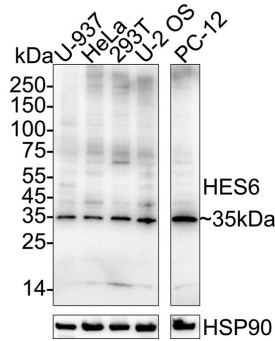
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Images

Fig1: Western blot analysis of HES6 on different lysates with Rabbit anti-HES6 antibody (HA500577) at 1/10,000 dilution.

Lane 1: U-937 cell lysate
 Lane 2: HeLa cell lysate
 Lane 3: 293T cell lysate
 Lane 4: U-2 OS cell lysate
 Lane 5: PC-12 cell lysate



Lysates/proteins at 20 µg/Lane.

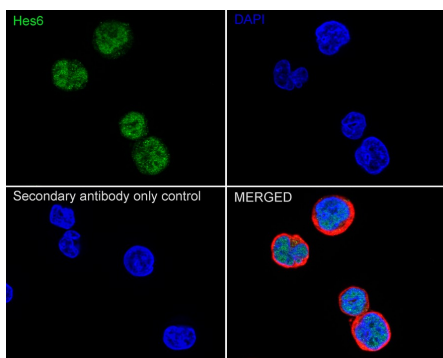
Predicted band size: 24 kDa
 Observed band size: 35 kDa

Exposure time: 3 minutes; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA500577) at 1/10,000 dilution was used in primary antibody dilution (K1803) at 4 °C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

Fig2: Immunocytochemistry analysis of PC-12 cells labeling HES6 with Rabbit anti-HES6 antibody (HA500577) at 1/400 dilution.



Cells were fixed in 4% paraformaldehyde for 15 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 15 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-HES6 antibody (HA500577) at 1/400 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488, HA1121) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

Beta tubulin (HA601187, red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594, HA1126) was used as the secondary antibody at 1/1,000 dilution.

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Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Wang Z et al. The novel GATA1-interacting protein HES6 is an essential transcriptional cofactor for human erythropoiesis. *Nucleic Acids Res.* 2023 Jun
2. Krossa I et al. Recent advances in understanding the role of HES6 in cancers. *Theranostics.* 2022 May

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