

Rabbit anti-Human HES7 Polyclonal Antibody | anti-HES7 antibody

Anti-HES7 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258984	Rabbit	Human	Immunohistochemistry, Immunofluorescence, Immunocytochemistry

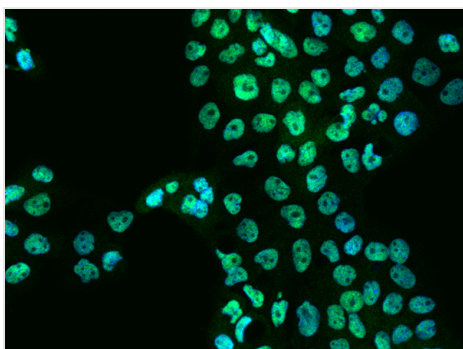
PRODUCT SYNONYMS

HES7; Polyclonal Antibody; Anti-HES7 Antibody; Rabbit Polyclonal; Anti-bHLHb37 Antibody; Anti-SCDO4 Antibody; anti-HES7 antibody

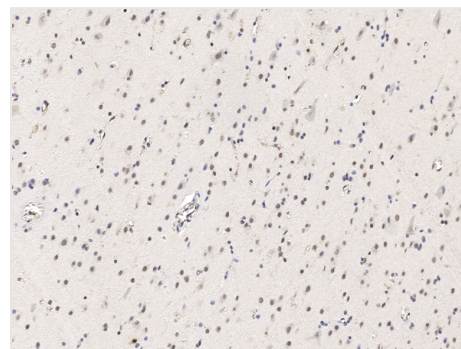
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human HES7
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-HES7 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Immunogen	E coli-derived Human HES7 fragment
Preparation	Produced in rabbits immunized with E coli-derived Human HES7 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES


IF (Immunofluorescence)

Immunofluorescence staining of HES7 in A431 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human HES7 polyclonal antibody (dilution ratio 1:100) at 4° overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Nucleus.


IHC (Immunohistochemistry)

ADDITIONAL INFORMATION

Related Product Information for anti-HES7 antibody	Hes7 is a basic helix-loop-helix (bHLH) gene. In mouse, Hes7 has a conserved bHLH domain in the amino-terminal region and the WRPW domain at the carboxy-terminal end, like Hes1. The mouse Hes7 gene is located next to Aloxe3, which is mapped to a position 37.0 cM from the centromere on chromosome 11. Loss of Hes7 function leads to irregular somite formation demonstrating that Hes7 is a crucial component of the segmentation clock during somitogenesis. Hes7 is expressed in an oscillatory manner and regulates the periodic somite formation. Oscillatory expression of Hes7 depends on negative feedback and rapid degradation of the gene products.
References	Bessho Y, et al. (2003) Periodic repression by the bhlh factor hes7 is an essential mechanism for the somite segmentation clock. Genes Dev 17 (12): 1451-1456.Bessho Y, et al. (2001) Hes7: A bhlh-type repressor gene regulated by notch and expressed in the presomitic mesoderm. Genes Cells 6 (2): 175-185.

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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