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Anti-Hes1 Rabbit Monoclonal Antibody

Catalog Number: M01459

About HES1

Furin is likely to represent the ubiquitous endoprotease activity within constitutive secretory pathways and capable of cleavage at the RX (K/R) R consensus motif.

Overview

Product Name	Anti-Hes1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Hes1 Rabbit Monoclonal Antibody catalog # M01459. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal FBB-8
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q14469

Technical Details

Immunogen	A synthesized peptide derived from human Hes1
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB 1:500-1:2000

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	IHC 1:50-1:200 ICC/IF 1:50-1:200 FC 1:50

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Anti-Hes1 Rabbit Monoclonal Antibody (M01459) Images

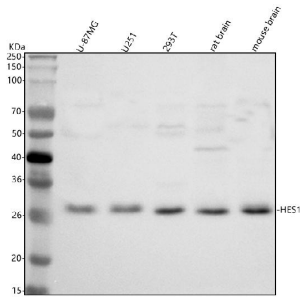
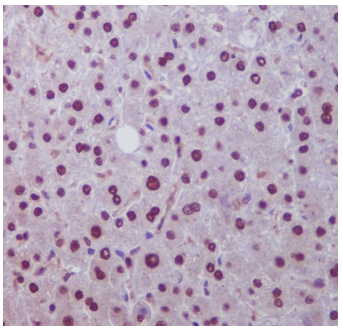
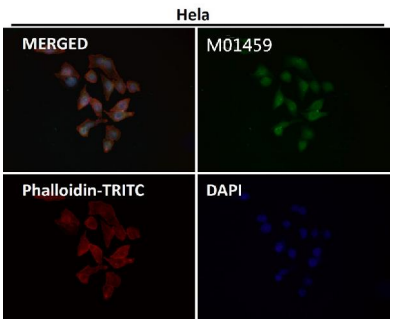


Figure 1. Western blot analysis of Hes1 using anti-Hes1 antibody (M01459).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human U-87MG whole cell lysates,
Lane 2: human U251 whole cell lysates,
Lane 3: human 293T whole cell lysates,
Lane 4: rat brain tissue lysates,
Lane 5: mouse brain tissue lysates.
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Hes1 antigen affinity purified monoclonal antibody (Catalog # M01459) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Hes1 at approximately 30 kDa. The expected band size for Hes1 is at 30 kDa.



IHC analysis of Hes1 using anti-Hes1 antibody (M01459) on human liver.
Hes1 was detected in paraffin-embedded section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Hes1 Antibody (M01459) overnight at 4°C. Biotinylated goat anti Rabbit IgG IgG antibody was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.



Immunofluorescent analysis using the Antibody at 1:50 dilution.

2 Publications Citing This Product

1. PubMed ID: 32866517, Shi J,Han G,Wang J,Han X,Zhao M,Duan X,Mi L,Li N,Yin X,Shi H,Li C,Xu J,Yin F.Matrine promotes hepatic oval cells

differentiation into hepatocytes and alleviates liver injury by suppression of Notch signalling pathway.Life Sci.2020 Nov 15;261:118354.doi:10.1016/j.lfs.2020.118354.Epub 2020 Aug 28.PMID:32866517.

2. PubMed ID: 24512546, Qiu M, Bao W, Wang J, Yang T, He X, Liao Y, Wan X. Bmc Cancer. 2014 Feb 11;14:78. Doi: 10.1186/1471-2407-14-78. Foxa1 Promotes Tumor Cell Proliferation Through Ar Involving The Notch Pathway In Endometrial Cancer.

Visit bosterbio.com/anti-hes1-rabbit-monoclonal-antibody-m01459-boster.html to see all 2 publications.