

Anti-Transcription factor HES-5 HES5 Antibody

Catalog Number: A05384

About HES5

HES5 is a member of the HES family of transcriptional repressors, which are the mammalian homologs of the Drosophila Hairy and Enhancer of Split and contain basic Helix-loop-helix (bHLH) and Orange domains (1). The HES5 gene is a downstream target of the Notch signaling pathway and its expression is downregulated during human cartilage differentiation (2). HES5 can directly repress transcription of the E3 ligase FBW7-beta, creating a feedback loop that modulates Notch-mediated intestinal and neural stem cell fate decisions (3).

Overview

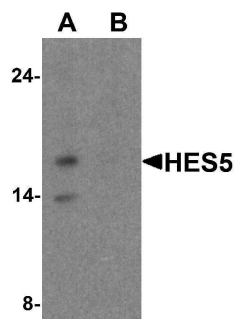
Product Name	Anti-Transcription factor HES-5 HES5 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Transcription factor HES-5 HES5 Antibody (Catalog # A05384). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	HES5 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	HES5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q5TA89

Technical Details

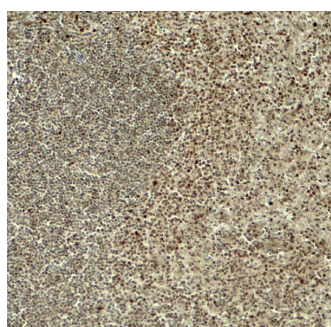
Immunogen	HES5 antibody was raised against a 19 amino acid peptide near the amino terminus of human HES5. The immunogen is located within the first 50 amino acids of HES5.
Predicted Reactive Species	Bovine
Cross Reactivity	HES5 antibody is human, mouse and rat reactive. At least two isoforms of HES5 are known to exist; this antibody will detect both isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	HES5 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	HES5 antibody can be used for detection of HES5 by Western blot at 1 - 2 ug/ml. Antibody can also

be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human and mouse samples and Immunofluorescence in human and mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

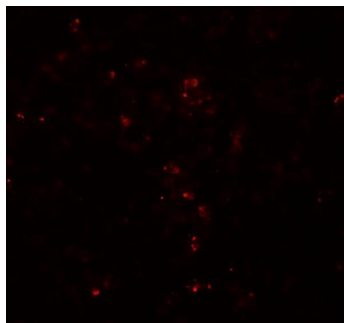
Anti-Transcription factor HES-5 HES5 Antibody (A05384) Images



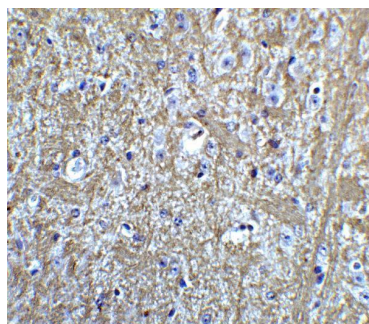
Western blot analysis of HES5 in Raji cell lysate with HES5 antibody at 1 ug/ml (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of HES5 in human spleen tissue with HES5 antibody at 5 ug/ml.

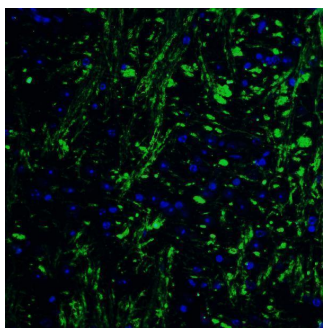


Immunofluorescence of HES5 in human spleen tissue with HES5 antibody at 20 ug/ml.



Immunohistochemistry of HES5 in mouse brain tissue with HES5 Antibody at 5 ug/mL.

Immunofluorescence of HES5 in mouse brain tissue with HES5 Antibody at 20 ug/mL. Green: HES5 Antibody (A05384)
Blue: DAPI staining



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