

Datasheet for ABIN6992090
anti-HES5 antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	HES5
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HES5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product 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.
Isotype:	IgG
Specificity:	HES5 antibody is human, mouse and rat reactive. At least two isoforms of HES5 are known to exist, this antibody will detect both isoforms.
Purification:	HES5 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	HES5
Alternative Name:	HES5 (HES5 Products)

Target Details

Background:	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).
Molecular Weight:	Predicted: 18 kDa Observed: 17 kDa
Gene ID:	388585
NCBI Accession:	NP_001010926
UniProt:	Q5TA89
Pathways:	Stem Cell Maintenance , Tube Formation

Application Details

Application Notes:	HES5 antibody can be used for detection of HES5 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	HES5 antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C,4 °C
Storage Comment:	HES5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.