

Datasheet for ABIN7598966
anti-HES5 antibody (AA 1-121)



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Overview

Quantity:	100 µg
Target:	HES5
Binding Specificity:	AA 1-121
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HES5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-HES5 Antibody Picoband®
Immunogen:	E.coli-derived human HES5 recombinant protein (Position: M1-R121).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-HES5 Antibody Picoband® (ABIN7598966). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	HES5
Alternative Name:	HES5 (HES5 Products)
Background:	Synonyms: Cytoskeleton-associated protein 5, Colonic and hepatic tumor overexpressed gene protein, Ch-TOG, CKAP5, KIAA0097 Tissue Specificity: Expressed in fetal brain. Highly expressed in brain and placenta. Lower levels in heart, liver, thymus, kidney and lung. Located to endothelial cells and neuronal cells of the suprachiasmatic nucleus (SCN). Also detected in endothelial cells of the heart, lung and kidney. In the brain, specifically expressed in the thalamus, hippocampus and amygdala. Background: Transcription factor HES-5 is a protein that in humans is encoded by the HES5 gene. This gene encodes a member of a family of basic helix-loop-helix transcriptional repressors. The protein product of this gene, which is activated downstream of the Notch pathway, regulates cell differentiation in multiple tissues. Disruptions in the normal expression of this gene have been associated with developmental diseases and cancer.
Molecular Weight:	18 kDa
Gene ID:	388585
Pathways:	Stem Cell Maintenance , Tube Formation

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Katoh, M., Katoh, M. Identification and characterization of human HES2, HES3, and HES5 genes in silico. Int. J. Oncol. 25: 529-534, 2004. 2. Takebayashi, K., Akazawa, C., Nakanishi, S., Kageyama, R. Structure and promoter analysis of the gene encoding the mouse helix-loop-helix factor HES-5: identification of the neural precursor cell-specific promoter element. J. Biol. Chem. 270: 1342-1349, 1995.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.