

Anti-HES1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Pig, Cow, Horse, Rabbit)
Molecular Weight:	Theoretical: 30 kDa.
Purification:	Protein A purified

Applications

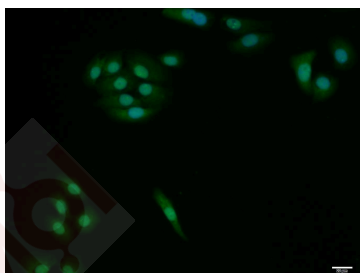
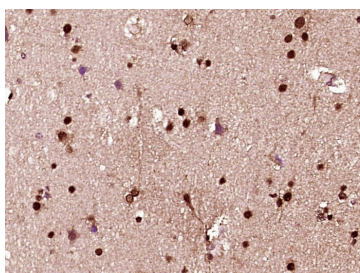
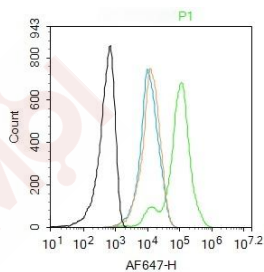
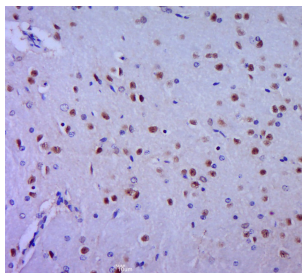
1. Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (HES1) Polyclonal Antibody, Unconjugated (TMAB-00849) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.
2. Blank control: Molt4. Primary Antibody (green line): Rabbit Anti-HES1 antibody (TMAB-00849) Dilution: 1 µg/10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: 1 µg/test.

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

Verified Activity:

3. Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (HES1) Polyclonal Antibody, Unconjugated (TMAB-00849) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
4. MCF-7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (HES1) polyclonal Antibody, Unconjugated (TMAB-00849) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.
5. MCF-7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (HES1) polyclonal Antibody, Unconjugated (TMAB-00849) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.



Application: FCM, ICC/IF, IHC-Fr, IHC-P

Recommended IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:50-200; IF: 1:100-500; FCM: 1ug/Test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human HES1

Antigen Species: Human

Gene ID: 3280

Uniprot ID: Q14469

Synonyms: Hairy Enhancer of Split 1;Hairy, Drosophila, homolog of;FLJ20408;Class B basic helix-loop-helix protein 39;bHLHb39;HES-1;HES1;Hairy-like protein;Hairy and enhancer of split 1;RHL;Hairy and enhancer of split 1(Drosophila);Transcription factor HES-1.;Hairy/enhancer of split, Drosophila, homolog of, 1;C-HAIRY1;Transcription factor HES 1;Hes1 hairy and enhancer of split 1 (Drosophila);HHL;HAIRY1;c-hairy1A;Hairy homolog(Drosophila);Hairy like;Hairy Homolog;HL;HRY

Biology Area: Other factors,Transcription Factors,Neurogenesis

Research Background

Transcriptional repressor of genes that require a bHLH protein for their transcription. May act as a negative regulator of myogenesis by inhibiting the functions of MYOD1 and ASH1. Binds DNA on N-box motifs: 5'-CACNAG-3' with high affinity and on E-box motifs: 5'-CANNTG-3' with low affinity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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