SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-HES5 antibody

Catalog Number: SL23071R

FOR RESEARCH USE ONLY

[DATASHEET]

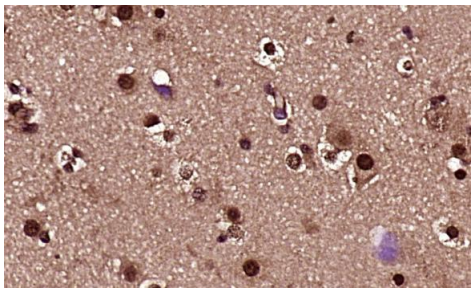
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	HES5
Immunogen:	KLH conjugated synthetic peptide derived from human HES5: 31-130/166
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Dog,Cow,Horse)
Predicted MW.:	18kDa
Subcellular Location:	The nucleus
Background:	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. [provided by RefSeq, Dec 2008] **Function:** Transcriptional repressor of genes that require a bHLH protein for their transcription **Subunit:** Transcription repression requires formation of a complex with a corepressor protein of the Groucho/TLE family. **Subcellular Location:** Nucleus. **Tissue Specificity:** Expressed in fetal heart and brain tumors. **Similarity:** Contains 1 basic helix-loop-helix (bHLH) domain.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

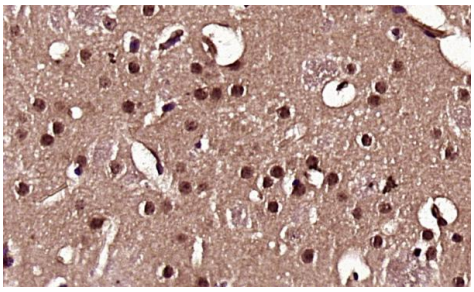
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	Contains 1 Orange domain. **Database links:** **Entrez Gene:** 388585 Human **Entrez Gene:** 15208 Mouse **Entrez Gene:** 79225 Rat **SwissProt:** Q5TA89 Human **SwissProt:** P70120 Mouse **SwissProt:** Q03062 Rat

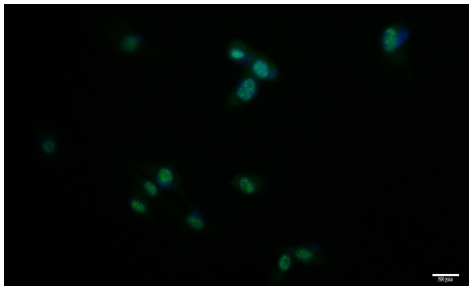
[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (Human glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Hes5) Polyclonal Antibody, Unconjugated (SL23071R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Hes5) Polyclonal Antibody, Unconjugated (SL23071R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



U87MG cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Hes5) polyclonal Antibody, Unconjugated (SL23071R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

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