

HES1 polyclonal antibody

Catalog: BS66141

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Required for optimal lysosomal function. Blocks EGF-stimulated EGFR intraluminal sorting and degradation. Conversely by binding with the phosphatidylinositol 4,5-bisphosphate, regulates its PIP5K1C interaction, inhibits HGS ubiquitination and relieves LAPTM4B inhibition of EGFR degradation. Recruits SLC3A2 and SLC7A5 (the Leu transporter to the lysosome, promoting entry of leucine and other essential amino acid (EAA) into the lysosome, stimulating activation of proton-transporting vacuolar (V-ATPase protein pump (V-ATPase and hence mTORC1 activation. Plays a role as negative regulator of TGF β 1 production in regulatory T cells. Binds ceramide and facilitates its exit from late endosome in order to control cell death pathways.

Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Molecular Weight:

~ 29 kDa

Swiss-Prot:

Q14469

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

ELISA: 1:5000-1:10000

IHC: 1:100-1:500

ICC: 1:100-1:500

IF: 1:100-1:500

Storage&Stability:

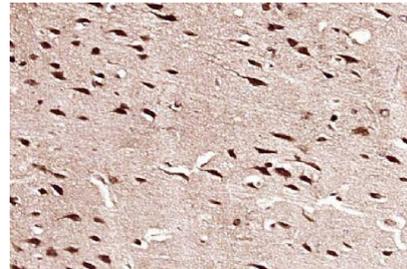
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

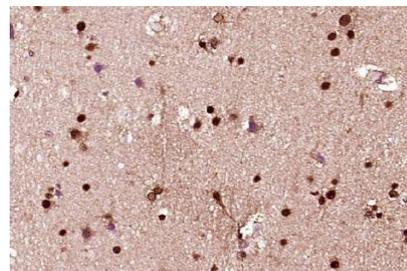
HES1 polyclonal antibody detects endogenous levels of

HES1 protein.

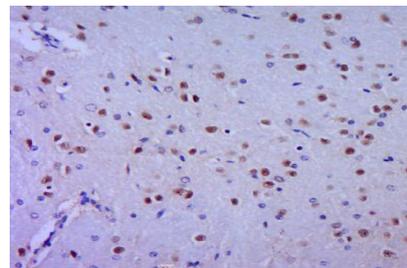
DATA:



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); 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 (HES1) Polyclonal Antibody, Unconjugated at 1:400 overnight at 4 °C.



Paraformaldehyde-fixed, paraffin embedded (human brain 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 (HES1) Polyclonal Antibody, Unconjugated at 1:400 overnight at 4 °C.



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Anti-

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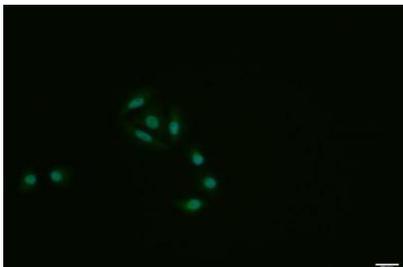
Fax: 0086-025-68035151



PRODUCT DATA SHEET

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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 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 nuclei.

Note:

For research use only, not for use in diagnostic procedure.

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