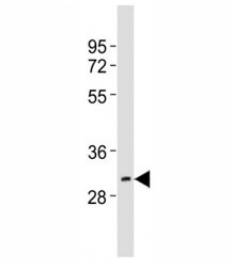
HES1 Antibody (F53422)

Catalog No.	Formulation	Size
F53422-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F53422-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q14469
Applications	1:2000
Limitations	This HES1 antibody is available for research use only.



Western blot testing of HES1 antibody at 1:2000 dilution + mouse brain lysate; Predicted molecular weight: 30-35 kDa.

Description

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 (By similarity). May play a role in a functional FA core complex response to DNA cross-link damage, being required for the stability and nuclear localization of FA core complex proteins, as well as for FANCD2 monoubiquitination in response to DNA damage.

Application Notes

Titration of the HES1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This HES1 antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 203-236 amino acids from the C-terminal region of human HES1.

Storage

Aliquot the HES1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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