

Hes1 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10293

Product Information

Application	WB
Primary Accession	Q04666
Other Accession	NM_024360 , NP_077336
Reactivity	Human, Mouse, Rat, Pig, Bovine
Predicted	Human, Mouse, Rat, Pig, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29622

Additional Information

Gene ID	29577
Alias Symbol	Hes1
Other Names	Transcription factor HES-1, Hairy and enhancer of split 1, Hairy-like protein, RHL, Hes1, Hes-1, HI
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Hes1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Hes1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Hes1
Synonyms	Hes-1, HI
Function	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. 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 (By similarity).

Cellular Location

Nucleus.

Tissue Location

Present in all tissues examined but highest in epithelial cells and in mesoderm-derived tissues such as embryonal muscle cells

Images

