10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HES5 Recombinant Rabbit mAb

Catalog # AP99955

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q5TA89
Other Accession	Q5TA89
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	18226
Physical State	Liquid
Immunogen	A synthesized peptide derived from human HES5
Epitope Specificity	1-166/166
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 basic helix-loop-helix (bHLH) domain. Contains 1 Orange domain.
SUBUNIT	Transcription repression requires formation of a complex with a corepressor protein of the Groucho/TLE family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	388585
Other Names	bHLHb38; HES5_HUMAN; HES5; Class B basic helix-loop-helix protein 38 (bHLHb38); Hairy and enhancer of split 5; HES5_MOUSE; Hes-5; HES5_RAT; hes family bHLH transcription factor 5; hairy and enhancer of split 5 (Drosophila)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	HES5
Synonyms	BHLHB38
Function	Transcriptional repressor of genes that require a bHLH protein for their transcription. Plays an important role as neurogenesis negative regulator (By similarity).
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00380, ECO:0000255|PROSITE-ProRule:PRU00981}
Tissue Location	Expressed in fetal heart and brain tumors.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.