



Anti-HES5 monoclonal antibody, clone 4C7 (CABT-18331MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. Mouse monoclonal antibody raised against a full length recombinant HES5.
Immunogen	HES5 (NP_001010926, 28 a.a. ~ 121 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4C7
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	RRDRINSSIEQLKLLLEQEFARHQPNKLEKADILEMAVSYLKHSKAFVAAAGPKSLHQD YSEGYSWCLQEAVQFLTLHAASDTQMKLLYHFQR
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	HES5 hairy and enhancer of split 5 (Drosophila) [Homo sapiens]
Official Symbol	HES5
Synonyms	hairy and enhancer of split 5 (Drosophila); bHLHb38; Class B basic helix-loop-helix protein 38; Hairy and enhancer of split 5; transcription factor HES-5; OTTHUMP00000000867
Entrez Gene ID	388585
Protein Refseq	NP_001010926
UniProt ID	Q5TA89
Chromosome Location	1p36.32
Pathway	CDC42 signaling events, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, conserved biosystem; SIDS Susceptibility Pathways, organism-specific biosystem.
Function	DNA binding; chromatin binding; double-stranded DNA binding