



Anti-HES1 (aa 36-142) polyclonal antibody (DPAB-DC1611)

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

PRODUCT INFORMATION

Antigen Description	This protein belongs to the basic helix-loop-helix family of transcription factors. It is a transcriptional repressor of genes that require a bHLH protein for their transcription. The protein has a particular type of basic domain that contains a helix interrupting protein that binds to the N-box rather than the canonical E-box.
Immunogen	HES1 (NP_005515, 36 a.a. ~ 142 a.a) partial recombinant protein with GST tag. The sequence is KSSKPIMEKRRRRARINESLSQLKTLILDALKKDSSRHSKLEKADILEMTVKHLRNLQRAQ MTAALSTDPSVLGKYRAGFSECMNEVTRFLSTCEGVNTEVTRLLGH
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [HES1 hes family bHLH transcription factor 1 \[Homo sapiens \(human\) \]](#)

Official Symbol	HES1
Synonyms	HES1; hes family bHLH transcription factor 1; HHL; HRY; HES-1; bHLHb39; transcription factor HES-1; hairy homolog; hairy-like protein; class B basic helix-loop-helix protein 39;
Entrez Gene ID	3280
Protein Refseq	NP_005515
UniProt ID	Q14469
Chromosome Location	3q28-q29
Pathway	ATF-2 transcription factor network; C-MYB transcription factor network; Constitutive Signaling by NOTCH1 PEST Domain Mutants; Developmental Biology
Function	DNA binding; N-box binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; histone deacetylase binding