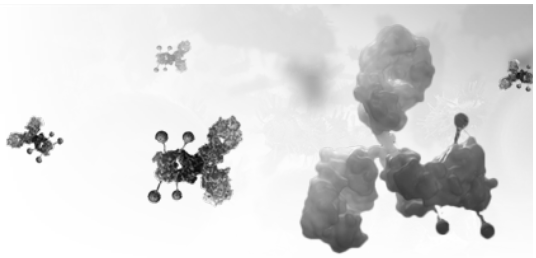

Rabbit Anti-HES1 monoclonal antibody, clone TD17-32 (CABT-L725)

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

PRODUCT INFORMATION

Target	Hes1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TD17-32
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, FC
Molecular Weight	30 kDa
Cellular Localization	Nucleus.
Positive Control	293, MCF-7, Hela, SH-SY-5Y, mouse brain tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	The Drosophila Hairy and enhancer of split genes encode basic helix-loop-helix (bHLH) transcriptional repressors that function in the Notch signaling pathway and control segmentation and neural development during embryogenesis. The mammalian homolog of Drosophila Hairy and enhancer of split are the HES gene family members HES1-6, which also encode bHLH transcriptional repressors that regulate myogenesis and neurogenesis. The HES family members form a complex with TLE, the mammalian homolog of groucho, and this interaction is mediated by the carboxy-terminal WRPW motif of the HES proteins. The HES/TLE complex functions by directly binding to DNA instead of interfering with activator proteins. Most HES family members, including HES1 and HES5, preferentially bind to the N box (CACNAG) as opposed to the E box (CANNTG). HES2 binds to both N and E box sites, while HES6 does not bind DNA. Rather, HES6 inhibits HES1 activity, thereby promoting transcription. HES1 and HES2 are expressed in a variety of adult and embryonic tissues.
Keywords	bHLHb39;C-HAIRY1;c-hairy1A;Class B basic helix-loop-helix protein 39;FLJ20408;Hairy and enhancer of split 1 (Drosophila);Hairy and enhancer of split 1;Hairy homolog (Drosophila);Hairy homolog;Hairy like;Hairy, Drosophila, homolog of;Hairy-like protein;Hairy/enhancer of split, Drosophila, homolog of, 1;HAIRY1;HES-1;hes1;Hes1 hairy and enhancer of split 1 (Drosophila);HES1_HUMAN;HHL;HL;HRY;MGC129109;OTTHUMP00000209031;RHL;Transcription factor HES-1 antibody

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