

## Product datasheet for **AP55327PU-N**

### Hes1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot:</b> 1/200-1/2000. <b>Immunohistochemistry:</b> 1/50-1/500.
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from C-terminal domain of HES-1 protein
Specificity:	Reacts with Mouse 30 kDa Hes1 protein. Cross reacts with Rat and Human.
Formulation:	0.1M Tris, 0.1M Glycine and 2% Sucrose State: Purified State: Lyophilized purified powder Preservative: None
Reconstitution Method:	Restore in distilled water.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store the antibody at -20°C. Store reconstituted antibody at 2-8°C for one month or (in aliquots) at -20°C for longer Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	hairy and enhancer of split 1 (Drosophila)
Database Link:	<a href="#">Entrez Gene 15205 Mouse P35428</a>



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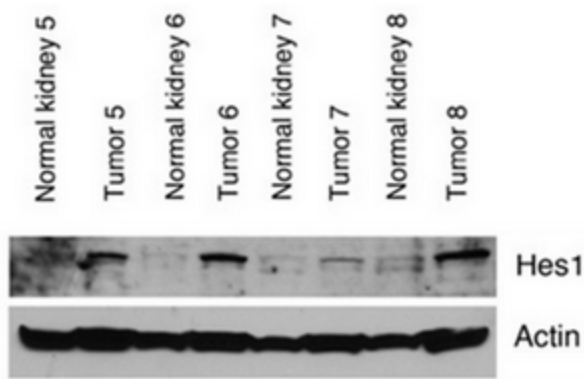
**Background:**

HES1 is a nuclear protein belonging to the basic helix-loop-helix family of transcription factors with a basic helix-loop-helix (bHLH) domain and an Orange domain. The basic domain of HES1 contains a helix interrupting protein that binds to the N-box rather than the canonical E-box. An immediate early response gene to growth factor, HES1 is reported as having a dual function of both transcriptional activator and silencer of acid alpha-glucosidase (GAA), thus contributing to the subtle tissue-specific control of housekeeping genes such as GAA. HES1 is a transcriptional repressor of genes which require a bHLH protein for their transcription and also the formation of a complex with a corepressor protein (Groucho) such as TLE2. HES1 may act as a negative regulator of myogenesis by inhibiting the functions of MYOD1 and ASH1.

**Synonyms:**

HES-1, HL, HRY, Hairy-like, HHL, Hairy homolog

**Product images:**



Western Blot analysis using HES1 antibody Cat.-No AP55327PU-N. HES1 measured in sporadic angiom yolipom as and normal kidney from 4 patients.