



# HES4 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-06852
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	HES4 BHLHB42
<b>Protein Name</b>	Transcription factor HES-4 (hHES4) (Class B basic helix-loop-helix protein 42) (bHLHb42) (Hairy and enhancer of split 4) (bHLH factor Hes4)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	HES4 Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	24kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Kidney,
<b>Function</b>	domain:Has a particular type of basic domain (presence of a helix-interrupting proline) that binds to the N-box (CACNAG), rather than the canonical E-box (CANNTG).,domain:The C-terminal WRPW motif is a transcriptional repression domain necessary for the interaction with Groucho/TLE family members, transcriptional corepressors recruited to specific target DNA by Hairy-related proteins.,function:Transcriptional repressor. Binds DNA on N-box motifs: 5'-CACNAG-3',similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,similarity:Contains 1 Orange domain.,subunit:Transcription repression requires formation of a complex with a corepressor protein of the Groucho/TLE family.,
<b>Background</b>	domain:Has a particular type of basic domain (presence of a helix-interrupting proline) that binds to the N-box (CACNAG), rather than the canonical E-box (CANNTG).,domain:The C-terminal WRPW motif is a transcriptional repression domain necessary for the interaction with Groucho/TLE family members, transcriptional corepressors recruited to specific target DNA by Hairy-related



proteins.,function:Transcriptional repressor. Binds DNA on N-box motifs: 5'-CACNAG-3'.,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,similarity:Contains 1 Orange domain.,subunit:Transcription repression requires formation of a complex with a corepressor protein of the Groucho/TLE family.,

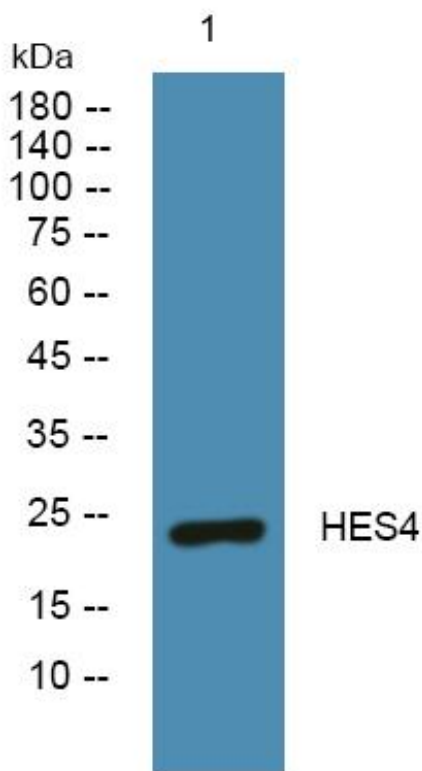
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using HES4 Monoclonal Antibody