

Product datasheet

Anti-HES2 antibody ab57396

1 Image

Overview

Product name	Anti-HES2 antibody
Description	Mouse monoclonal to HES2
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein: 0 , corresponding to amino acids 41-114 of Human HES2 Run BLAST with Run BLAST with

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None PBS, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Isotype	IgG2a
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab57396** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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WB

Application notes	WB: Use at a concentration of 1-5 µg/ml.
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This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.

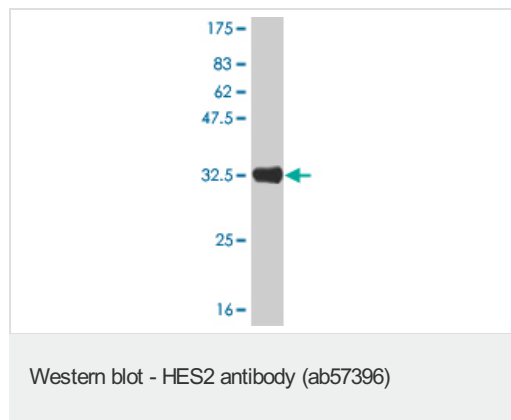
Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function	Transcriptional repressor of genes that require a bHLH protein for their transcription.
Tissue specificity	Expressed in placenta, pancreatic cancer, colon cancer with RER, cervical cancer, and in head and neck tumors.
Sequence similarities	Contains 1 bHLH (basic helix-loop-helix) domain. Contains 1 Orange domain.
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). 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.
Cellular localization	Nucleus.

Images



Western blot against tagged recombinant protein immunogen using ab57396 HES2 antibody at 1ug/ml. Predicted band size of immunogen is 34 kDa

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