

## Anti-IWS1 Antibody Picoband® Biotin Conjugated

Catalog Number: A05958-1-Biotin

### About IWS1

Protein IWS1 homolog also known as interacts with Spt6 (IWS1) is a protein that in humans is encoded by the IWS1 gene. Various steps in gene expression, such as mRNA processing, surveillance, export, and synthesis are coupled to transcription elongation). The C-terminal domain (CTD) of the large subunit of RNA polymerase II plays an important role in the integration of these different steps. IWS1 interacts with Spt6, a CTD-binding transcription elongation factor and H3 chaperone. IWS1 also recruits another CTD-binding protein, HYPB/Setd2 histone methyltransferase, to the RNA polymerase II complex for elongation-coupled H3K36 trimethylation. Thus, IWS1 links Spt6 and HYPB/Setd2 in a large complex and regulates mRNA synthesis and histone methylation at the co-transcriptional level .

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-IWS1 Antibody Picoband® Biotin Conjugated                                   |
| Reactive Species     | Human, Rat   |
| Application          | WB, IHC, ELISA   |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.            |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. |
| Host                 | Rabbit   |
| Uniprot ID           | Q96ST2   |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | E.coli-derived human IWS1 recombinant protein (Position: R547-E771).  |
| Cross Reactivity    | No cross-reactivity with other proteins.  |
| Isotype             | Rabbit IgG  |
| Form                | Liquid  |
| Concentration       | 0.5 mg/mL   |
| Purification        | Immunogen affinity purified.  |
| Conjugate           | Biotin  |
| Suggested Dilutions | Western blot, Optimal dilutions should be determined by end users.<br>Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by |

end users.  
ELISA, Optimal dilutions should be determined by end users.

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