

## Anti-IWS1 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: A05958-1-Fluoro594

### 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® Fluoro594 Conjugated
Reactive Species	Human, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
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	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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