

IWS1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56598

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q96ST2
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	91955

Additional Information

Gene ID	55677
Other Names	Protein IWS1 homolog, IWS1-like protein, IWS1, IWS1L
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	IWS1
Synonyms	IWS1L
Function	Transcription factor which plays a key role in defining the composition of the RNA polymerase II (RNAPII) elongation complex and in modulating the production of mature mRNA transcripts. Acts as an assembly factor to recruit various factors to the RNAPII elongation complex and is recruited to the complex via binding to the transcription elongation factor SUPT6H bound to the C-terminal domain (CTD) of the RNAPII subunit RPB1 (POLR2A). The SUPT6H:IWS1:CTD complex recruits mRNA export factors (ALYREF/THOC4, EXOSC10) as well as histone modifying enzymes (such as SETD2) to ensure proper mRNA splicing, efficient mRNA export and elongation-coupled H3K36 methylation, a signature chromatin mark of active transcription.
Cellular Location	Nucleus {ECO:0000255 PROSITE-ProRule:PRU00649, ECO:0000269 PubMed:17184735, ECO:0000269 PubMed:17234882}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.