

Rabbit anti-Human, Mouse IWS1 Polyclonal Antibody | anti-IWS1 antibody

Rabbit anti-IWS1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212807	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

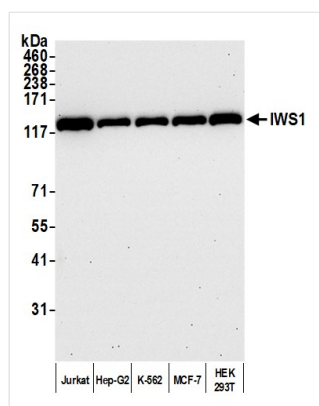
PRODUCT SYNONYMS

IWS1; Polyclonal Antibody; Rabbit anti-IWS1 Antibody; Affinity Purified; interacts with Spt6; IWS1 homolog; IWS1-like protein; protein IWS1 homolog; Protein IWS1 homolog; SUPT6H interacting protein; anti-IWS1 antibody

PRODUCT SPECIFICATIONS

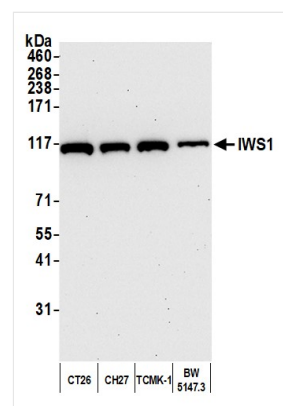
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-IWS1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



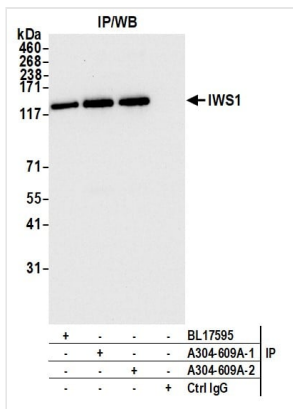
WB (Western Blot)

Detection of human IWS1 by western blot. Samples: Whole cell lysate (10 ug) from Jurkat, Hep-G2, K-562, MCF-7, and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-IWS1 antibody (AAA212807 lot 2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



WB (Western Blot)

Detection of mouse IWS1 by western blot. Samples: Whole cell lysate (10 ug) from CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-IWS1 antibody (AAA212807 lot 2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)
 Detection of human IWS1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 10% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-IWS1 antibody (AAA212807 lot 2) used for IP at 6 ug per reaction. IWS1 was also immunoprecipitated by a previous lot of this antibody (AAA212807 lot 1) and a second antibody against a different epitope of IWS1 (BL17594). For blotting immunoprecipitated IWS1, AAA212807 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-IWS1 antibody	IWS1 homolog is a 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. IWS1 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 [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q96ST2].
Product Categories/Family for anti-IWS1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	217330641
NCBI GeneID	55677
NCBI Accession #	NP_060439.2
NCBI GenBank Nucleotide #	NM_017969.2
UniProt Accession #	Q96ST2; Q2TB65; Q6P157; Q8N3E8; Q96MI7; Q9NV97; Q9NWH8
Molecular Weight	91,955 Da
NCBI Official Full Name	protein IWS1 homolog
NCBI Official Synonym Full Names	IWS1 homolog (S. cerevisiae)
NCBI Official Symbol	IWS1
NCBI Protein Information	protein IWS1 homolog; IWS1-like protein; interacts with Spt6
UniProt Protein Name	Protein IWS1 homolog
UniProt Gene Name	IWS1
UniProt Synonym Gene Names	IWS1L
UniProt Entry Name	IWS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/iws1-antibody-immunoprecipitation-western-blot-elisa/212807>