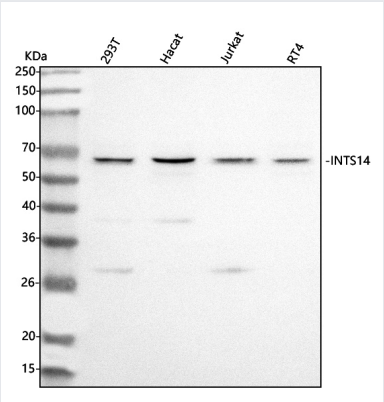
INTS14 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	INTS14, Polyclonal Antibody
Full Product Name	Anti-INTS14 Antibody Picoband
Product Gene Name	anti-INTS14 antibody
Product Synonym Names	Serine/threonine-protein kinase AtPK1/AtPK6; 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Purity/Purification	Immunogen affinity purified.
Specificity	Expressed in all tissues.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.
Molecular Weight	57,471 Da
3D Structure	ModBase 3D Structure for Q96SY0
Immunogen	E coli-derived human INTS14 recombinant protein (Position: R27-H271). Human INTS14 shares 99.2% and 98.4% amino acid (aa) sequence identity with mouse and rat INTS14, respectively.
Subcellular Localization	Cytoplasm, Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross reactivity with other proteins.
Protein Function	Downstream effector of TOR signaling pathway involved in osmotic stress response. Could be involved in the control of plant growth and development. Phosphorylates the ribosomal proteins P14, P16 and S6. Functions as a repressor of cell proliferation and required for maintenance of chromosome stability and ploidy levels through the RBR1-E2F pathway.
Product Categories/Family for anti-INTS14 antibody	Primary Antibodies; Signal Transduction; Signaling Pathway; Small G Proteins
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-INTS14 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-INTS14 antibody	WB: 0.25-0.5ug/ml, Human ELISA: 0.1-0.5ug/ml

Related Product Information for anti-INTS14 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product References and Citations for anti-INTS14 antibody	1. Pfleiderer, M. M. , & Galej, W. P. . (2021). Structure of the catalytic core of the integrator complex. Molecular Cell, 81(Suppl 1).2. Beckedorff, F. , Blumenthal, E. , Dasilva, L. F. , Aoi, Y. , Cingaram, P. R. , & Yue, J. , et al. (2020). The human integrator complex facilitates transcriptional elongation by endonucleolytic cleavage of nascent transcripts. Cell Reports, 32(3).3. Sabath, K. , Stubli, M. L. , Marti, S. , Leitner, A. , & Jonas, S. . (2020). Ints10-ints13-ints14 form a functional module of integrator that binds nucleic acids and the cleavage module. Nature Communications, 11(1).
Other Notes	Small volumes of anti-INTS14 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for INTS14 purchase	MBS1759552 is an antibody targeting INTS14. Also known as Anti-INTS14 Antibody Picoband. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-INTS14 antibody

Figure 1. Western blot analysis of INTS14 using anti-INTS14 antibody (MBS1759552).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human 293T whole cell lysates,Lane 2: human Hacat whole cell lysates,Lane 3: human Jurkat whole cell lysates,Lane 4: human RT4 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-INTS14 antigen affinity purified polyclonal antibody (#MBS1759552) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (#MBS176460) with Tanon 5200 system. A specific band was detected for INTS14 at approximately 68 kDa. The expected band size for INTS14 is at 57 kDa.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for INTS14. It may not necessarily be applicable to this product.

NCBI GI #	333470758
NCBI GeneID	81556
NCBI Accession #	NP_001193987.1
UniProt Primary Accession #	Q96SY0
UniProt Secondary Accession #	Q49AH8; Q96HX5; Q9H0S5; B4DDI6; B4DVD5
UniProt Related Accession #	Q96SY0
GenBank Nucleotide #	NM_001207058.1
NCBI Official Full Name	von Willebrand factor A domain-containing protein 9 isoform 4

NCBI Official Synonym Full Names	von Willebrand factor A domain containing 9
NCBI Official Symbol	VWA9
NCBI Official Synonym Symbols	C15orf44
UniProt Protein Name	von Willebrand factor A domain-containing protein 9
Protein Family	Integrator complex
UniProt Gene Name	VWA9
UniProt Synonym Gene Names	C15orf44
UniProt Entry Name	VWA9_HUMAN
NCBI Protein Information	von Willebrand factor A domain-containing protein 9; UPF0464 protein C15orf44
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/ints14/1759552