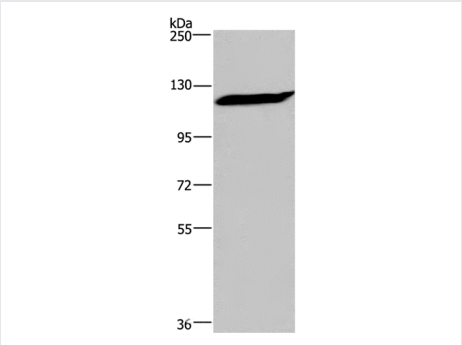
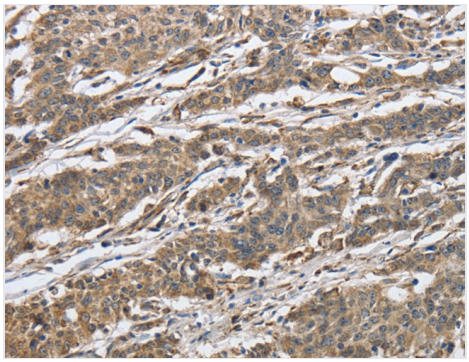
IPO7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

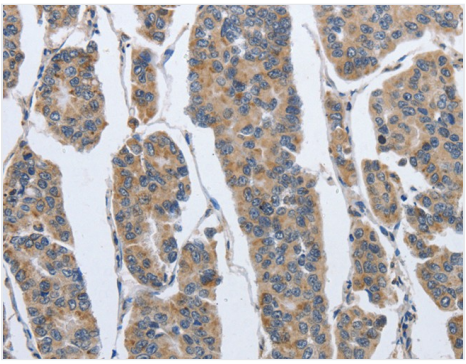
Product Name	IPO7, Polyclonal Antibody
Full Product Name	IPO7 Polyclonal Antibody
Product Gene Name	anti-IPO7 antibody
Product Synonym Names	Imp7; RANBP7
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	2.1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	119,517 Da
OMIM	605586
Immunogen	Synthetic peptide of human IPO7
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IPO7 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-IPO7 antibody	WB: 1:500-1:2000 IHC: 1:100-1:300
Related Product Information for anti-IPO7 antibody	The importin-alpha/beta complex and the GTPase Ran mediate nuclear import of proteins with a classical nuclear localization signal. The protein encoded by this gene is a member of a class of approximately 20 potential Ran targets that share a sequence motif related to the Ran-binding site of importin-beta. Similar to importin-beta, this protein prevents the activation of Ran's GTPase by RanGAP1 and inhibits nucleotide exchange on RanGTP, and also binds directly to nuclear pore complexes where it competes for binding sites with importin-beta and transportin. This protein has a Ran-dependent transport cycle and it can cross the nuclear envelope rapidly and in both directions. At least four importin beta-like transport receptors, namely importin beta itself, transportin, RanBP5 and RanBP7, directly bind and import ribosomal proteins.
Other Notes	Small volumes of anti-IPO7 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 IPO7 purchase	MBS2521252 is an antibody targeting IPO7. Also known as IPO7 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-IPO7 antibody
Western Blot analysis of Hela cell using IPO7 Polyclonal Antibody at dilution of 1:300



Immunohistochemistry (IHC) of anti-IPO7 antibody
Immunohistochemistry of paraffin-embedded Human gastic cancer using IPO7 Polyclonal Antibody at dilution of 1:40



Immunohistochemistry (IHC) of anti-IPO7 antibody
Immunohistochemistry of paraffin-embedded Human breast cancer using IPO7 Polyclonal Antibody at dilution of 1:40

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IPO7. It may not necessarily be applicable to this product.

NCBI GI #	5453998
NCBI GeneID	10527
NCBI Accession #	NP_006382.1
UniProt Secondary Accession #	Q1RMF7; Q9H177; Q9NTE3; A6NNM5; B2R786
UniProt Related Accession #	O95373
GenBank Nucleotide #	NM_006391.2
NCBI Official Full Name	importin-7
NCBI Official Synonym Full Names	importin 7
NCBI Official Symbol	IPO7
NCBI Official Synonym Symbols	Imp7; RANBP7
UniProt Protein Name	Importin-7
UniProt Synonym Protein Names	Ran-binding protein 7; RanBP7
Protein Family	Importin
UniProt Gene Name	IPO7
UniProt Synonym Gene Names	RANBP7; Imp7; RanBP7
UniProt Entry Name	IPO7_HUMAN

NCBI Protein Information	importin-7; RAN-binding protein 7
UniProt Comments for IPO7	IPO7: a beta importin protein. Functions in nuclear protein import, either by acting as autonomous nuclear transport receptor or as an adapter-like protein in association with the importin beta-1 subunit. A receptor for nuclear localization signals (NLS) that promotes translocation of import substrates through the nuclear pore complex (NPC) by an energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to importin, the importin/substrate complex dissociates and importin is re-exported from the nucleus to the cytoplasm where GTP hydrolysis releases Ran. Protein type: Nuclear import; Karyopherin; Nuclear export Chromosomal Location of Human Ortholog: 11p15.4 Cellular Component: nucleoplasm; membrane; cytoplasm; nuclear pore Molecular Function: protein binding; histone binding; transporter activity; Ran GTPase binding Biological Process: viral reproduction; protein import into nucleus; regulation of catalytic activity; innate immune response; signal transduction
Research Articles on IPO7	**1.** Importin 7 as a soluble nuclear transport factor that is required for efficient import of the protein component of human telomerase.
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-mouse-rat-antibody/ipo7/2521252