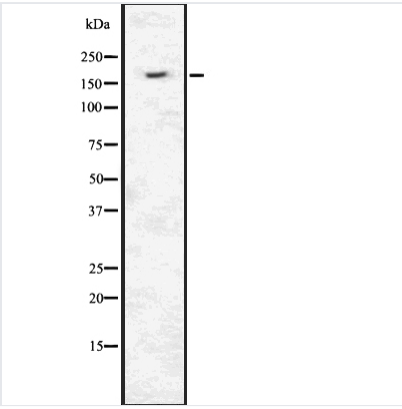
INSRR Antibody – Rabbit Polyclonal

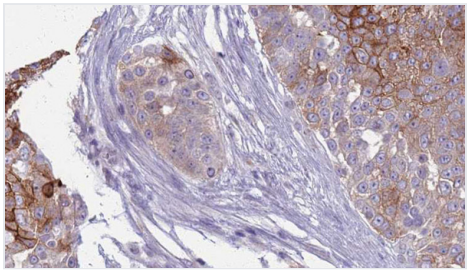
PRODUCT OVERVIEW

Product Name	INSRR, Polyclonal Antibody
Full Product Name	INSRR Antibody
Product Gene Name	anti-INSRR antibody
Product Synonym Names	INSRR; INSRR_HUMAN; Insulin receptor related receptor precursor; Insulin receptor-related protein alpha chain; Insulin receptor-related protein beta chain; insulin receptor-related receptor; IR R; IR related receptor; IR-related receptor; IRR; Sir r; Sirr
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	INSRR antibody detects endogenous levels of total INSRR
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	INSRR peptide (MBS9626954) is used for blocking the activity of INSRR antibody (MBS9608242)
Molecular Weight	Observed: 155 kDa Predicted: 144 kDa
3D Structure	ModBase 3D Structure for P14616
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human INSRR
Predicted Cross Reactivity	**Pig, Bovine, Rabbit, Dog**
Similarity	Pig (88%), Bovine (88%), Rabbit (100%), Dog (88%)
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-INSRR antibody	Western Blot (WB), Immunohistochemisty (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-INSRR antibody	WB: 1:1000-3000 IHC: 1:200 IF/ICC: 1:200-1:500

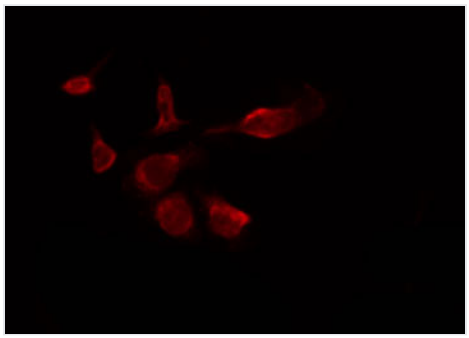
Related Product Information for anti-INSRR antibody	Function: Receptor with tyrosine-protein kinase activity. Functions as a pH sensing receptor which is activated by increased extracellular pH. Activates an intracellular signaling pathway that involves IRS1 and AKT1/PKB. Subunit Structure: Probable tetramer of 2 alpha and 2 beta chains linked by disulfide bonds. The alpha chains contribute to the formation of the ligand-binding domain, while the beta chains carry the kinase domain. Post-translational Modifications: Autophosphorylated on tyrosine residues between pH 7.9 and pH 10.5. Similarity: The extracellular domain is required for sensing alterations in external pH. Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily.
Other Notes	Small volumes of anti-INSRR 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 INSRR purchase	MBS9608242 is an antibody targeting INSRR. Also known as INSRR Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-INSRR antibody
Western blot analysis of INSRR using K562 whole lysates.



Immunohistochemistry (IHC) of anti-INSRR antibody
MBS9608242 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Immunofluorescence (IF) of anti-INSRR antibody
MBS9608242 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL DETAILS

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

NCBI GI #	31657140
NCBI GeneID	3645
NCBI Accession #	NP_055030.1
UniProt Primary Accession #	P14616
UniProt Secondary Accession #	O60724; Q5VZS3
UniProt Related Accession #	P14616

GenBank Nucleotide #	NM_014215.2
NCBI Official Full Name	insulin receptor-related protein
NCBI Official Synonym Full Names	insulin receptor related receptor
NCBI Official Symbol	INSRR
NCBI Official Synonym Symbols	IRR
UniProt Protein Name	Insulin receptor-related protein
UniProt Synonym Protein Names	IR-related receptor
Protein Family	Insulin receptor-related protein
UniProt Gene Name	INSRR
UniProt Synonym Gene Names	IRR; IRR
NCBI Protein Information	insulin receptor-related protein
UniProt Comments for INSRR	Receptor with tyrosine-protein kinase activity. Functions as a pH sensing receptor which is activated by increased extracellular pH. Activates an intracellular signaling pathway that involves IRS1 and AKT1/PKB.
Research Articles on INSRR	**1.** the extensive glycosylation of FnIII-2/3 provides steric hindrance for the alkali-induced rearrangement of the IRR ectodomain.
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-antibody/insrr/9608242