

Rabbit anti-Human Insulin Receptor R Polyclonal Antibody | anti-INSRR antibody

Insulin Receptor R Antibody (C-term)

CATALOG # AAA283713	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

Insulin Receptor R; Polyclonal Antibody; Insulin Receptor R Antibody (C-term); Insulin receptor-related protein; IRR; IR-related receptor; Insulin receptor-related protein alpha chain; Insulin receptor-related protein beta chain; INSRR; anti-INSRR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Insulin Receptor R antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1256-1287 amino acids from the C-terminal region of human Insulin Receptor R.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.5 (varies by lot)
Sequence Positions	1256-1287
Sequence Length	1297
Applicable Applications for anti-INSRR antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Western blot analysis of anti-InsRR Pab in A375 cell lysate. Lane A: preimmune, Lane B: purified antibody. InsRR (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-INSRR antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The tyrosine kinase (TK) group is mainly involved in the regulation of cell-cell interactions such as differentiation, adhesion, motility and death. There are currently about 90 TK genes sequenced, 58 are of receptor protein TK (e.g. EGFR, EPH, FGFR, PDGFR, TRK, and VEGFR families), and 32 of cytosolic TK (e.g. ABL, FAK, JAK, and SRC families).
Product Categories/Family for anti-INSRR antibody	Cardiovascular; Metabolism; Neuroscience; Signal Transduction
References	Shier, P., et al., J. Biol. Chem. 264(25):14605-14608 (1989). Whitmore, T.E., et al., Cytogenet. Cell Genet. 87 (1-2), 93-94 (1999). Hanze, J., et al., Horm. Metab. Res. 31 (2-3), 77-79 (1999). Shier, P., et al., Cytogenet. Cell Genet. 54 (1-2), 80-81 (1990). Elmlinger, M.W., et al., Regul. Pept. 84 (1-3), 37-42 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	31657140
NCBI GeneID	3645
NCBI Accession #	NP_055030.1
NCBI GenBank Nucleotide #	NM_014215.2
UniProt Accession #	P14616; O60724; Q5VZS3
Molecular Weight	143720
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
NCBI Protein Information	insulin receptor-related protein
UniProt Protein Name	Insulin receptor-related protein
UniProt Gene Name	INSRR
UniProt Synonym Gene Names	IRR; IRR
UniProt Entry Name	INSRR_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.