

Rabbit Insulin Receptor Alpha Monoclonal Antibody | anti-INSR antibody

Insulin Receptor Alpha

CATALOG # AAA214403	HOST Rabbit	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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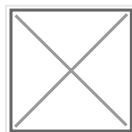
PRODUCT SYNONYMS

Insulin Receptor Alpha; Monoclonal Antibody; CD220; HHF5; HIR A; INSR; Insulin receptor; Insulin receptor subunit alpha; IR; anti-INSR antibody

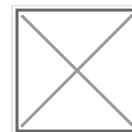
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG
Clone Number	INSR/2277R
Specificity	The insulin receptor (IR) is a heterodimeric protein complex that has an intracellular subunit and an extracellular subunit, which is disulfide-linked to a transmembrane segment. The insulin ligand binds to the IR and initiates molecular signaling pathways that promote glucose uptake in cells and glycogen synthesis. Insulin binding to IR induces phosphorylation of intra-cellular tyrosine kinase domains and recruitment of multiple SH2 and SH3 domain-containing intracellular proteins that serve as signaling intermediates for pleiotropic effects of insulin. Type 1 diabetes is an auto-immune condition of the endocrine pancreas that results in destruction of insulin secreting cells and a progressive loss in insulin-sensitive glucose uptake by cells.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	1382
Applicable Applications for anti-INSR antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment of extracellular domain of human Insulin Receptor alpha
Cellular Localization	Cytoplasmic
Hu-chromosome Location	19p13.2
Positive Control	Jurkat cells. Human pancreas.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



Application Data


IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Tonsil stained with IgM Monoclonal Antibody (IM260)

ADDITIONAL INFORMATION

References	Soos MA, Siddle K, Baron MD, Heward JM, Luzio JP, Bellatin J, Lennox ES. Monoclonal antibodies reacting with multiple epitopes on the human insulin receptor. Biochem J. 1986 Apr 1; 235(1):199-208.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119395736
NCBI GeneID	3643
NCBI Accession #	NP_000199.2
NCBI GenBank Nucleotide #	NM_000208.3
UniProt Accession #	P06213; Q17RW0; Q59H98; Q9UCB7; Q9UCB8; Q9UCB9
Molecular Weight	135kDa
NCBI Official Full Name	insulin receptor isoform Long preproprotein
NCBI Official Synonym Full Names	insulin receptor
NCBI Official Symbol	INSR
NCBI Official Synonym Symbols	HHF5; CD220
NCBI Protein Information	insulin receptor
UniProt Protein Name	Insulin receptor
UniProt Gene Name	INSR
UniProt Synonym Gene Names	IR

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/monoclonal/insulin-receptor-alpha-antibody-clone-insr-2277r-immunohistochemistry-elisa/214403>