

Rabbit Insulin Receptor Polyclonal Antibody | anti-INSR antibody

Insulin Receptor Rabbit pAb

CATALOG # AAA281712	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunoprecipitation, Western Blot
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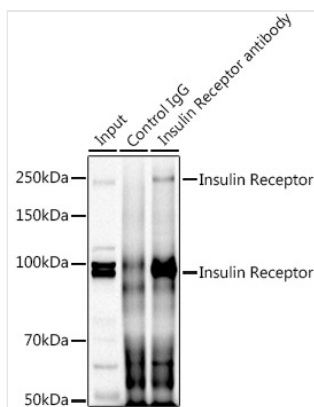
PRODUCT SYNONYMS

Insulin Receptor; Polyclonal Antibody; Insulin Receptor Rabbit pAb; CD220; HHF5; INSR; anti-INSR antibody

PRODUCT SPECIFICATIONS

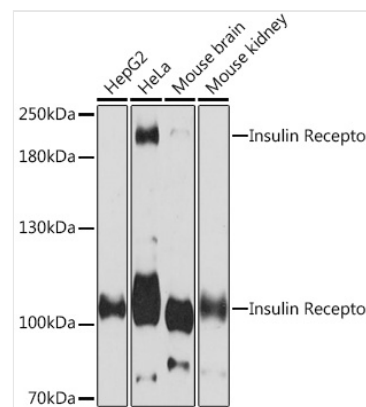
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	PTFLEIVNLL KDDLHPSFPE VSFFHSEENK APESEELEME FEDMENVPLD RSSHCQREEA GGRDGGSSLG FKRSYEEHIP YTHMNGGKKK GRILTLPRSN PS
Applicable Applications for anti-INSR antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1281-1382 of human INSR (NP_000199.2).
Cellular Location	Cell membrane, Single-pass type I membrane protein
Positive Samples	HepG2, HeLa, Mouse brain, Mouse kidney
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of 300ug extracts of HeLa cells using 3ug Insulin Receptor antibody. Western blot was performed from the immunoprecipitate using Insulin Receptor at a dilution of 1:1000.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Insulin Receptor Rabbit pAb at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-INSR antibody	Background: This gene encodes a member of the receptor tyrosine kinase family of proteins. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that form a heterotetrameric receptor. Binding of insulin or other ligands to this receptor activates the insulin signaling pathway, which regulates glucose uptake and release, as well as the synthesis and storage of carbohydrates, lipids and protein. Mutations in this gene underlie the inherited severe insulin resistance syndromes including type A insulin resistance syndrome, Donohue syndrome and Rabson-Mendenhall syndrome. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-INSR antibody	Protein phosphorylation; Research; Signal Transduction; Kinase; Tyrosine kinases; Research; Cell Biology & Developmental Biology; Growth factors; Insulin and insulin-like; Research; Endocrine & Metabolism; AMPK Signaling Pathway; Research; Endocrine & Met

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395736
NCBI GeneID	3643
NCBI Accession #	NP_000199.2
NCBI GenBank Nucleotide #	NM_000208.2
UniProt Accession #	P06213; Q17RW0; Q59H98; Q9UCB7; Q9UCB8; Q9UCB9
Molecular Weight	156,333 Da
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; IR
UniProt Protein Name	Insulin receptor
UniProt Gene Name	INSR
UniProt Synonym Gene Names	IR
UniProt Entry Name	INSR_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/insulin-receptor-antibody-immunoprecipitation-western-blot-elisa/281712>