

Rabbit anti-Human Phospho-INSR Polyclonal Antibody | anti-INSR antibody

Phospho-INSR (Y1361) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290976	Rabbit	Human	Dot Blot, Immunohistochemistry

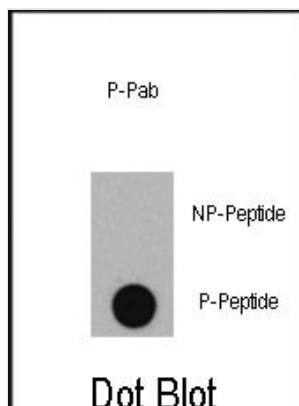
PRODUCT SYNONYMS

Phospho-INSR; Polyclonal Antibody; Phospho-INSR (Y1361) Antibody; Affinity Purified Rabbit Polyclonal Antibody (Pab); Insulin receptor; IR; CD220; Insulin receptor subunit alpha; Insulin receptor subunit beta; INSR; anti-INSR antibody

PRODUCT SPECIFICATIONS

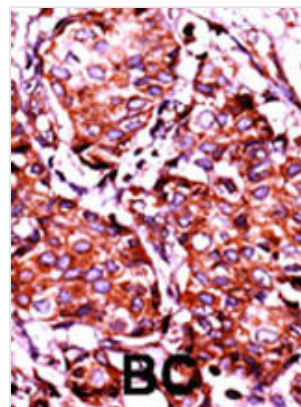
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Clone Number	RB7155
Specificity	This INSR Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y1361 of human INSR.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Applicable Applications for anti-INSR antibody	DB (Dot Blot), IHC (Immunohistochemistry)
Antigen Source	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



DB (Dot Blot)

Dot blot analysis of anti-INSR-pY1361 Pab on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.



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 DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

ADDITIONAL INFORMATION

Related Product Information for anti-INSR antibody	After removal of the precursor signal peptide, the insulin receptor precursor is post-translationally cleaved into two chains (alpha and beta) that are covalently linked. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake, thereby mediating the metabolic functions of insulin. Binding to insulin stimulates association of the receptor with downstream mediators including IRS1 and phosphatidylinositol 3'-kinase (PI3K). This protein can activate PI3K either directly by binding to the p85 regulatory subunit, or indirectly via IRS1.
Product Categories/Family for anti-INSR antibody	Primary Antibodies; Antibody Collections; Cancer; Cardiovascular; Metabolism; Neuroscience; Signal Transduction; Phospho Antibodies; Anti-Kinome Antibodies
References	Nakamaru, K., et al., Biochem. Biophys. Res. Commun. 328(2):449-454 (2005).Diaz, E., et al., Clin. Biochem. 38(3):243-247 (2005).McGettrick, A.J., et al., J. Biol. Chem. 280(8):6441-6446 (2005).Schmitt, T.L., et al., J. Biol. Chem. 280(5):3795-3801 (2005).Denley, A., et al., Mol. Endocrinol. 18(10):2502-2512 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395736
NCBI GeneID	3643
NCBI Accession #	NP_000199.2; NP_001073285.1
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/phospho-insr-antibody-clone-rb7155-dot-blot-immunohistochemistry-elisa/290976>