

Product datasheet for **AP12966PU-N**

Insulin Receptor (INSR) pTyr1185 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	ELISA: 1/1,000. Dot Blot: 1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y1185 of human INSR.
Specificity:	This antibody detects INSR pTyr1185. Predicted to cross react with Mouse (100% Antigen Homology).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein A Chromatography followed by two-step phosphospecific peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	insulin receptor
Database Link:	Entrez Gene 3643 Human P06213



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Background:

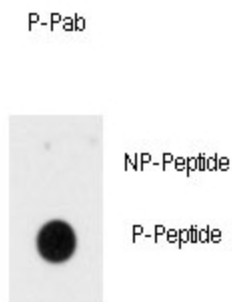
Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake, thereby mediating the metabolic functions of insulin. Binding to insulin stimulates association of the receptor with downstream mediators including IRS1 and phosphatidylinositol 3'-kinase (PI3K). This protein can activate PI3K either directly by binding to the p85 regulatory subunit, or indirectly via IRS1. 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.

Synonyms:

Insulin Receptor

Note:

Molecular weight: 156307 Da

Product images:

Dot blot analysis of anti-Phospho-INSR pTyr1185 Antibody (Cat.#AP12966PU-N) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

Dot Blot