

## Phospho-Insulin Receptor beta (Tyr999) Ab

[Images\(1\)](#)

Cat.#: AF8008                                  Concn.: ~1mg/ml                                  Mol.Wt.: 95kDa  
Size:    Source: Rabbit    Clonality: Polyclonal

Application:                                  WB 1:1000-3000  
\*The optimal dilutions should be determined by the end user.

Reactivity:    Human,Mouse,Rat

Storage:    Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification:    The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.

Immunogen:    A synthesized peptide derived from human IR around the phosphorylation site of Tyr999.

Uniprot:    P06213

Description:    The human insulin receptor is a heterotetrameric membrane glycoprotein consisting of disulfide linked subunits in a beta-alpha-alpha-beta configuration. The beta subunit (95 kDa) possesses a single transmembrane domain, whereas the alpha subunit (135 kDa) is completely extracellular. The insulin receptor exhibits receptor tyrosine kinase (RTK) activity. RTKs are single pass transmembrane receptors that possess intrinsic cytoplasmic enzymatic activity, catalyzing the transfer of the gamma phosphate of ATP to tyrosine residues in protein substrates. RTKs are essential components of signal transduction pathways that affect cell proliferation, differentiation, migration and metabolism.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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