Phospho-IGF1R (Tyr1165/Y1166) Polyclonal Antibody

Catalog No. E-AB-20900

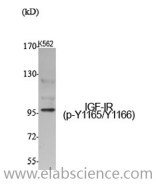
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

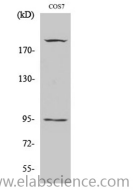
Reactivity	Human,Mouse,Rat,Monkey
Immunogen	Synthesized peptide derived from human IGF-IR around the phosphorylation site of Y1165/Y1166.
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

Applications	Recommended Dilution
WB	1:500-1:2000
ELISA	1:20000

Data



Western Blot analysis of K562 cells using Phospho-IGF1R (Tyr1165/Y1166) Polyclonal Antibody at dilution of 1:500.
Observed Mw:156kDa
Calculated Mw:155kDa



Western Blot analysis of COS7 cells using Phospho-IGF1R (Tyr1165/Y1166) Polyclonal Antibody at dilution of 1:500.

Preparation & Storage

Storage Store at -20℃. Avoid freeze / thaw cycles.

Background

Receptor tyrosine kinases (RTKs) are transmembrane molecular scaffolds that influence cellular processes including the cell cycle, cell migration, cell metabolism, cell survival, proliferation and differentiation. Insulin-like rowth factor-I receptor (IGF-IR) is an RTK that stimulates growth in many different cell types, blocks apoptosis, acts as an intermediate of many growth hormone responses and may stimulate the growth of some types of cancer. The IGF-IR cognate ligand Insulin-like growth factor-I (IGF-I) promotes association of IGF-IR with Shc, GRB2 and Sos 1, which initiates Ras and ERK kinase cascades,thereby modifying transcription factor activity, such as activation of the Elk transcription factors. The modular phosphotyrosine-binding (PTB) domains of Insulin receptor substrates (IRS)-1 and -2 can associate with active IGF-IR and initiate phosphatidylinositol 3-kinase-dependent downstream signals. The human IGF-IR gene maps to chromosome 15q26.3 and encodes a 1,376 amino acid precursor protein that cleaves into α and β subunits. The human

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IGF-IIR gene maps to chromosome 6q26 and encodes a 2,491 amino acid ransmembrane protein.

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