

Anti-Phospho-IGF-I receptor beta (Tyr1166)/Insulin receptor beta (Tyr1190)/Insulin receptor-related protein beta (Tyr1146) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

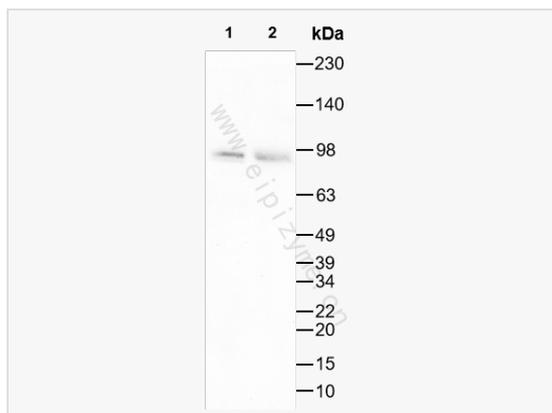
Catalog # R012969

Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	83L67L87
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Tyr1166 of human INSR/IGF-1R
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	This product is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	IGF1R (p-Y980); p-IGF1R; phospho-IGF1R; CD221; IGFIR; IGFR; JTK13; A330103N21Rik; D930020L01; IGF-1R; hyft; IGF-1 receptor; IGFIRC; Igrf1; IGF1R_HUMAN; IGF1R; Insulin-like growth factor I receptor (IGF-I receptor); 2.7.10.1; IGF1R_MOUSE; IGF1R_RAT.
Calculated MW	Calculated MW: 155 kDa; Observed MW: 95 kDa
Uniprot ID	P08069
Gene ID	3480
Background	This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, May 2014]
Cellular Location	Cell membrane Single-pass type I membrane protein
Tissue Location	Found as a hybrid receptor with INSR in muscle, heart, kidney, adipose tissue, skeletal muscle, hepatoma, fibroblasts, spleen and placenta (at protein level). Expressed in a variety of tissues. Overexpressed in tumors, including melanomas, cancers of the colon, pancreas prostate and kidney.



Western Blot - Anti-Phospho-IGF-I receptor beta (Tyr1166)/Insulin receptor beta (Tyr1190)/Insulin receptor-related protein beta (Tyr1146) Rabbit mAb [83L67L87]
All lanes: R012969 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 155 kDa

Observed band size: 95 kDa

Developed using the ECL technique (Cat. No. SQ201).