



## IGF1R (Phospho-Tyr1161) Antibody

Catalog No         BYab-10328           Isotype         IgG           Reactivity         Human; Mouse; Rat           Applications         WB; ELISA           Gene Name         IGF1R           Protein Name         Insulin-like growth factor 1 receptor (EC 2.7, 10.1) (Insulin-like growth factor 1 receptor) (IGP-1 receptor) (CD antigen CD221) [Cleaved into: Insulin-like growth factor 1 receptor alpha chain; Insulin           Immunogen         Synthesized phospho derived from human IGF1R (Phospho-Tyr1161)           Specificity         This detects endogenous levels of IGF1R (Phospho-Tyr1161)           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit, IgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000, ELISA 1:10000-20000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Insulin-like growth factor 1 receptor (EC 2.7.10.1) (Insulin-like growth factor 1 receptor) (IGF-1 receptor) (CD antigen CD221) [Cleaved into: Insulin-like growth factor 1 receptor beta chain]           Observed Band         pro: 155kD, recetor beta: 95kD           Cell Pathway         Cell membrane; Single-pass t		
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Applications WB;ELISA  Gene Name IGF1R  Protein Name Insulin-like growth factor 1 receptor (EC 2.7.10.1) (Insulin-like growth factor 1 receptor) (IGF-1 receptor) (IGD-1 receptor) (ICD-21) [Cleaved into: Insulin-like growth factor 1 receptor alpha chain; Insuli Immunogen Synthesized phospho derived from human IGF1R (Phospho-Tyr1161)  Specificity This detects endogenous levels of IGF1R (Phospho-Tyr1161)  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Polyclonal, Rabbit, IgG  Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000, ELISA 1:10000-20000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms Insulin-like growth factor 1 receptor (EC 2.7.10.1) (Insulin-like growth factor 1 receptor) (IGF-1 receptor) (CD antigen CD221) [Cleaved into: Insulin-like growth factor 1 receptor alpha chain; Insulin-like growth factor 1 receptor beta chain]  Observed Band pro: 155kD, recetor beta: 95kD  Cell Pathway Cell membrane; Single-pass type I membrane protein .  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.  Function catalytic activity-ATP + a [protein]-L-tyrosine phosphate, disease:Defects in IGF1R may be a cause in some cases of resistance to insulin-like growth factor 1 (IGF1 resistance) [MilM:270450]. IGF1 resistance is a gowth deficiency disorder characterized by intrautering growth retardation and poor postnatal growth accompanied with increased plasma	Isotype	IgG
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Immunogen Synthesized phospho derived from human IGF1R (Phospho-Tyr1161)  Specificity This detects endogenous levels of IGF1R (Phospho-Tyr1161)  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Polyclonal, Rabbit,IgG  Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000, ELISA 1:10000-20000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms Insulin-like growth factor 1 receptor (EC 2.7.10.1) (Insulin-like growth factor 1 receptor) (IGF-I receptor) (CD antigen CD221) [Cleaved into: Insulin-like growth factor 1 receptor alpha chain; Insulin-like growth factor 1 receptor beta chain]  Observed Band pro: 155kD, recetor beta: 95kD  Cell Pathway Cell membrane; Single-pass type I membrane protein.  Tissue Specificity 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.  Function catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate, disease:Defects in IGF1R may be a cause in some cases of resistance is a gowth deficiency disorder characterized by intrauterine growth retardation and poor postnatal growth accompanied with increased plasma	Gene Name	IGF1R
Specificity         This detects endogenous levels of IGF1R (Phospho-Tyr1161)           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit,IgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000, ELISA 1:10000-20000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Insulin-like growth factor 1 receptor (EC 2.7.10.1) (Insulin-like growth factor 1 receptor) (IGF-I receptor) (CD antigen CD221) [Cleaved into: Insulin-like growth factor 1 receptor alpha chain; Insulin-like growth factor 1 receptor beta chain]           Observed Band         pro: 155kD, recetor beta: 95kD           Cell Pathway         Cell membrane; Single-pass type I membrane protein .           Tissue Specificity         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.           Function         catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate, disease:Defects in IGF1R may be a cause in some cases of resistance to insulin-like growth factor 1 (IGF1 resistance) [MIM:270450]. IGF1 resistance by insulaterine growth	Protein Name	Insulin-like growth factor 1 receptor (EC 2.7.10.1) (Insulin-like growth factor I receptor) (IGF-I receptor) (CD antigen CD221) [Cleaved into: Insulin-like growth factor 1 receptor alpha chain; Insuli
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Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658

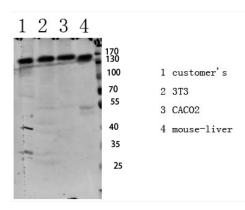


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	activity.,function:This receptor binds insulin-like growth factor 1 (IGF1) with a high affinity and IGF2 with a lower affinity. It has a tyrosine-protein kinase activity, which is necessary for the activation of the IGF1-stimulated downstream signaling cascade. When present in a hybrid receptor with INSR, binds IGF1. PubMed:12138094 shows that hybrid receptors composed of IGF1R and INSR isoform Long are activated with a high affinity by IGF1, with low a
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



Western blot analysis of various lysate, antibody was diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

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网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658