

Datasheet for ABIN6280925
anti-IGF1R antibody (Tyr1161)



[Go to Product page](#)

Overview

Quantity:	50 µL
Target:	IGF1R
Binding Specificity:	AA 1100-1180, Tyr1161
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGF1R antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	IGF-IR is a protein encoded by the IGF1R gene which is approximately 154,7 kDa. IGF-IR is localised to the cell membrane. It is involved in apoptotic pathways, the GPCR pathway and ERK signalling. It is a receptor tyrosine kinase which mediates actions of insulin-like growth factor 1. The activated protein is involved in cell growth and survival control and is also crucial for tumour transformation and survival of malignant cells. It is formed from two subunits, each of which is comprised of an extracellular alpha-subunit and a transmembrane beta-subunit with intracellular tyrosine kinase activity. IGF-IR is expressed in the nervous system, skin, pancreas, lung and muscle. Mutations in the IGF1R gene may result in insulin-like growth factor 1 resistance. STJ93647 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of IGF-IR protein.
Immunogen:	Synthesized peptide derived from human IGF-IR around the non-phosphorylation site of Y1161.

Product Details

Isotype:	IgG
Specificity:	IGF-IR Polyclonal Antibody detects endogenous levels of IGF-IR protein.
Characteristics:	Rabbit polyclonal to IGF-IR.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	IGF1R
Alternative Name:	IGF-IR (IGF1R Products)
Molecular Weight:	150 kDa
Gene ID:	3480
UniProt:	P08069
Pathways:	RTK Signaling , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Autophagy

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:100-1:300 ELISA 1:10000
Comment:	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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C, and avoid repeat freeze-thaw cycles.