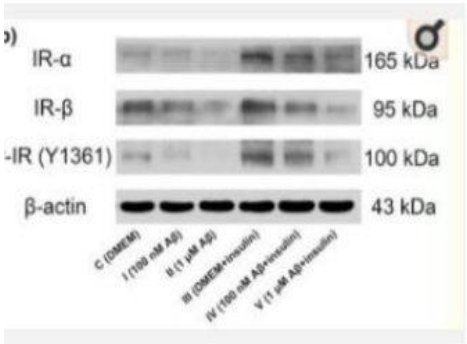
PRODUCT DATA SHEET

Insulin R Polyclonal Antibody

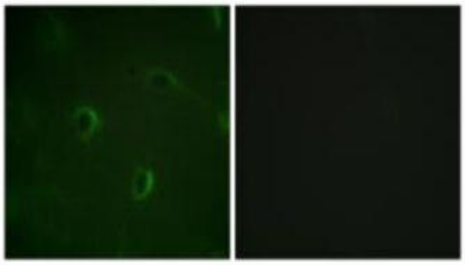
Catalog No.	IPB0225
Reactivity	Human; Mouse; Rat
Applications	IHC-p; IF/ICC; WB; ELISA
Dilution	WB: 1:500-2000 IHC: 1:50-1:200 IF: 1:50-1:200 ELISA: 1:5000
Gene Name	INSR
Protein Name	Insulin receptor
Human Gene Id	3643
Swiss-Prot	P06213
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Cell membrane; Single-pass type I membrane protein Late endosome Lysosome Binding of insulin to INSR induces internalization and lysosomal degradation of the receptor, a means for down-regulating this signaling pathway after stimulation In the presence of SORL1, internalized INSR molecules are redirected back to the cell surface, thereby preventing their lysosomal catabolism and strengthening insulin signal reception
MW	156307
Background	This gene encodes a member of the receptor tyrosine kinase family of proteins The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that form a heterotetrameric receptor Binding of insulin or other ligands to this receptor activates the insulin signaling pathway, which regulates glucose uptake and release, as well as the synthesis and storage of carbohydrates, lipids and protein Mutations in this gene underlie the inherited severe insulin resistance syndromes including type A insulin resistance syndrome, Donohue syndrome and Rabson-Mendenhall syndrome Alternative splicing results in multiple transcript variants

Products Images:

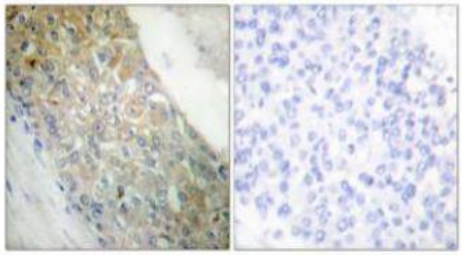
PRODUCT DATA SHEET



Han, Xiaojuan, et al. "Insulin attenuates beta-amyloid-associated insulin/Akt/EAAT signaling perturbations in human astrocytes." Cellular and molecular neurobiology 36.6 (2016): 851-864.



Immunofluorescence analysis of HUVEC cells, using IR Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using IR Antibody. The picture on the right is blocked with the synthesized peptide.