

**IGF-IR (phospho Tyr1346) rabbit pAb****Cat#: orb768723 (Manual)**

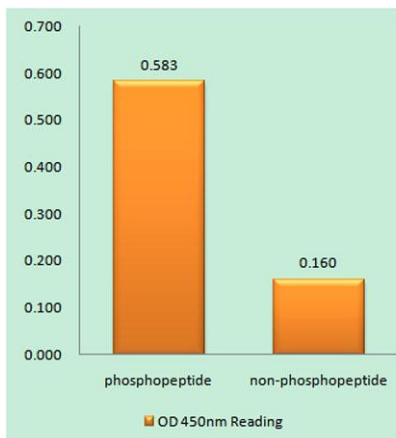
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<b>Product Name</b>	IGF-IR (phospho Tyr1346) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human IGF1R around the phosphorylation site of Tyr1346. AA range:1311-1360
<b>Specificity</b>	Phospho-IGF-IR (Y1346) Polyclonal Antibody detects endogenous levels of IGF-IR protein only when phosphorylated at Y1346.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Insulin-like growth factor 1 receptor
<b>Gene Name</b>	IGF1R
<b>Cellular localization</b>	Cell membrane ; Single-pass type I membrane protein .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

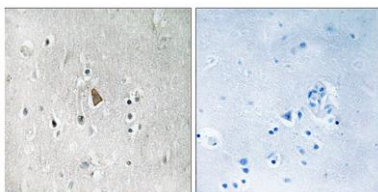
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	pro: 155kD, recetor beta: 95kD
<b>Human Gene ID</b>	3480
<b>Human Swiss-Prot Number</b>	P08069
<b>Alternative Names</b>	IGF1R; Insulin-like growth factor 1 receptor; Insulin-like growth factor I receptor; IGF-I receptor; CD antigen CD221

### 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].



**Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using IGF1R (Phospho-Tyr1346) Antibody**



**Immunohistochemistry analysis of paraffin-embedded human brain, using IGF1R (Phospho-Tyr1346) Antibody. The picture on the right is blocked with the phospho peptide.**



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