Datasheet for ABIN319345

anti-IGF1R antibody (Tyr1346)

2 Images

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Overview

Quantity:	0.1 mL
Target:	IGF1R
Binding Specificity:	Tyr1346
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGF1R antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human IGF-1R around the phosphorylation site of Tyrosine 1346 (Q-P-YP-A-H).
Specificity:	This antibody detects endogenous levels of total IGF-1R protein.
Purification:	Immunoaffinity Chromatography.

Target Details

Target:	IGF1R
Alternative Name:	CD221 / IGF1R (IGF1R Products)
Background:	There are two kinds of IGF receptors based on their relative affinities for IGF1 versus IGF2. The IGF1 receptor prefers IGF1 over IGF2 and weakly binds insulin. IGF1 receptor is a disulfide-linked heterotetrameric transmembrane protein consisting of two alpha (130 kD) and two beta

Target Details

	(95 kD) subunits. Both the alpha and beta subunits are encoded within a single receptor precursor cDNA. The IGF1 receptor is therefore similar in structure to the insulin receptor. The proreceptor polypeptide is proteolytically cleaved and disulfide-linked to yield the mature heterotetrameric receptor. The IGF1 receptor is highly expressed in all cell types and tissues and is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival.Synonyms: IGF-I receptor, IGF1 Receptor, Insulin-like growth factor 1 receptor
Gene ID:	3480
NCBI Accession:	NP_000866
UniProt:	P08069
Pathways:	RTK Signaling, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, Autophagy

Application Details

Application Notes:	Western Blot (1/500-1/1000). Immunohistochemistry (1/50-1/100). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Buffer:	PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % Sodium Azide and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at-20 °C.

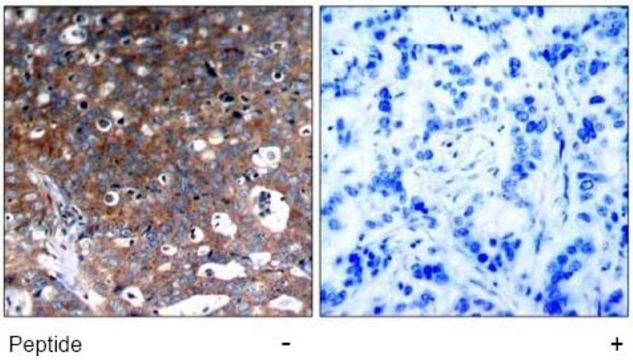

Image 1.

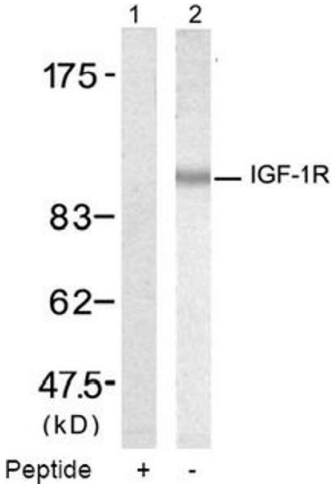

Image 2.