

Datasheet for ABIN306224 **anti-IGF1R antibody (PE)**



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1 Image

Overview

Quantity:	100 tests
Target:	IGF1R
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IGF1R antibody is conjugated to PE
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Type of Immunogen: Native protein
Isotype:	IgG1
Specificity:	Recognizes human CD221, a 155kD receptor tyrosine kinase, also known as Insulin-like growth factor I receptor (IGF-I Receptor). CD221 is composed of two extracellular alpha-subunits and two transmembrane beta-subunits. Recognizes an epitope in the alpha subunits of CD221, demonstrated by Western blotting. CD221 is expressed in a range of tissues, including kidney, liver, placenta, mammary gland, brain, ovary and skin. The ligands for CD221 include IGF-I and IGF-II, which bind to CD221 and activate tyrosine kinase activity, resulting in phosphorylation of several intracellular signalling proteins. Clone 1H7 is reported to partially block binding of IGF-I and IGF-II to CD221

Product Details

Purification: Protein G purified

Target Details

Target:	IGF1R
Alternative Name:	IGF1R / IGF1 Receptor (IGF1R Products)
Background:	Name/Gene ID: IGF1R Subfamily: Insulin receptor Family: Protein Kinase Synonyms: IGF1R, CD221 antigen, CD221, IGF1 Receptor, IGFR, IGF-I receptor, Soluble IGF1R variant 1, Soluble IGF1R variant 2, Type 1 IGF receptor, IGFI, JTK13
Gene ID:	3480
Pathways:	RTK Signaling , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Autophagy

Application Details

Application Notes:	Approved: Flo (1:1), IHC, IHC-P, WB Usage: The applications listed have been tested for the unconjugated form of this product. Other forms have not been tested. Flow Cytometry: Use 10 µL of the suggested working dilution to label 10 ⁶ cells in 100 µL. Method sheets are available on request.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

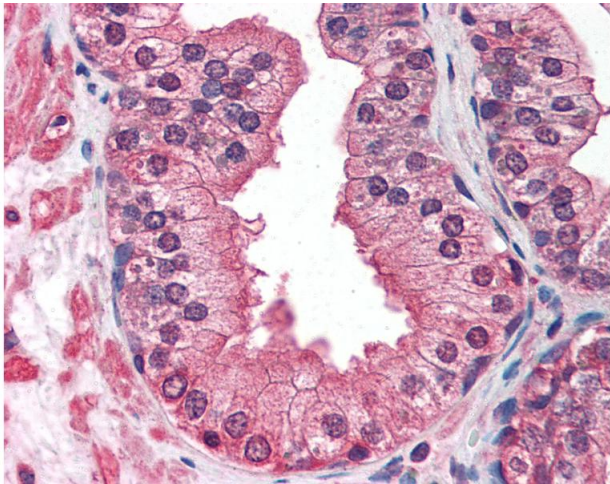
Handling

Format:	Lyophilized
Reconstitution:	1 mL sterile distilled water
Concentration:	Lot specific
Buffer:	Lyophilized, PBS, 0.09 % sodium azide, 1 % BSA, 5 % sucrose
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 4°C. Do not freeze.

Images



Immunohistochemistry

Image 1. Anti-IGF1 Receptor antibody IHC of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml. This image was taken for the unmodified form of this product. ...