

Datasheet for ABIN3031344
anti-IGF1R antibody (AA 19-51)



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3 Images

Overview

Quantity:	0.4 mL
Target:	IGF1R
Binding Specificity:	AA 19-51
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGF1R antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 19-51 from the human protein was used as the immunogen for this IGF1R antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat
Purification:	Purified

Target Details

Target:	IGF1R
Alternative Name:	IGF1R (IGF1R Products)
Background:	The IGF1 receptor binds insulin-like growth factor with a high affinity and plays a critical role in

Target Details

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. The protein possess tyrosine kinase activity.

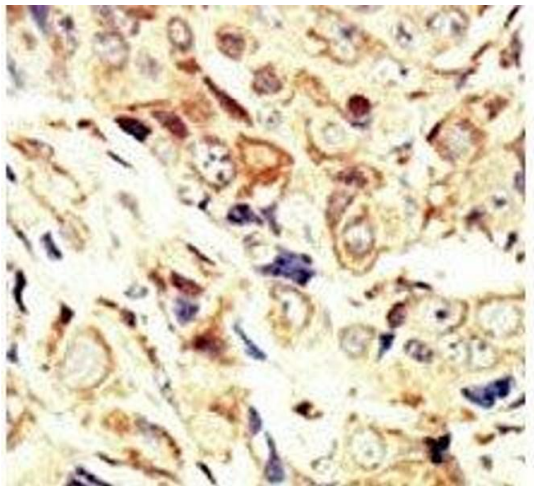
UniProt:	P08069
Pathways:	RTK Signaling , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Autophagy

Application Details

Application Notes:	Titration of the IGF1R antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100
Restrictions:	For Research Use only

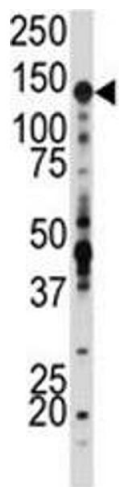
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
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:	Aliquot the IGF1R antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



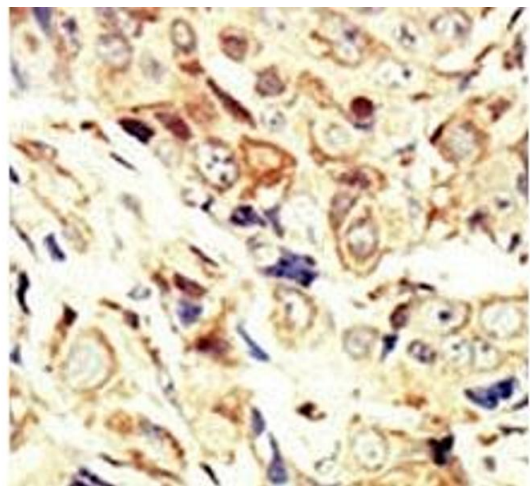
Immunohistochemistry

Image 1. IHC analysis of FFPE human breast carcinoma tissue stained with the IGF1R antibody



Western Blotting

Image 2. Western blot analysis of IGF1R antibody and SK-BR-3 lysate. Predicted molecular weight: ~200 kDa (pro), 120-130 kDa (alpha), 90-97 kDa (beta).



Immunohistochemistry

Image 3. IHC analysis of FFPE human breast carcinoma tissue stained with the IGF1R antibody