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Datasheet for ABIN3020768

## anti-IGF1R antibody (AA 660-760)

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### Overview

Quantity:	100 µL
Target:	IGF1R
Binding Specificity:	AA 660-760
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGF1R antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 660-760 of human IGF1R (NP_000866.1).
Sequence:	HNYGSKDKIP IRKYADGTID IEEVTENPKT EVCGGEGKGPC CACPKTEAEK QAEKEEAEYR KVFENFLHNS IFVPRPERKR RDVMQVANTT MSSRSRNTTA A
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	IGF1R
Alternative Name:	IGF1R ( <a href="#">IGF1R Products</a> )
Background:	<p>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.,IGF1R,CD221,IGFIR,IGFR,JTK13,Cancer,Signal Transduction,Kinase,Tyrosine kinases,Cell Biology &amp; Developmental Biology,Apoptosis,Growth factor,Insulin and insulin-like,ESC Pluripotency and Differentiation,Immunology &amp; Inflammation,CD markers,Cardiovascular,Angiogenesis,IGF1R</p>
Molecular Weight:	154 kDa
Gene ID:	3480
UniProt:	<a href="#">P08069</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Regulation of Hormone Biosynthetic Process</a> , <a href="#">Autophagy</a>

## Application Details

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Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

## Handling

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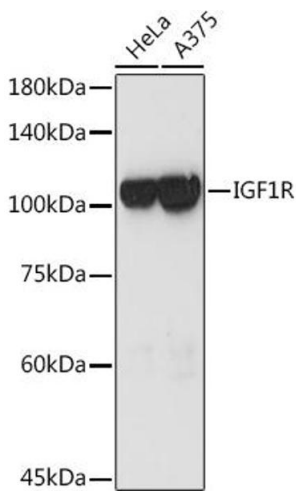
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Product cited in:

Duan, Zohaib, Li, Zhu, Ye, Wan, Xu, Song, Chen, Cao: "miR-206 modulates lipopolysaccharide-mediated inflammatory cytokine production in human astrocytes." in: **Cellular signalling**, Vol. 27, Issue 1, pp. 61-8, (2015) ([PubMed](#)).

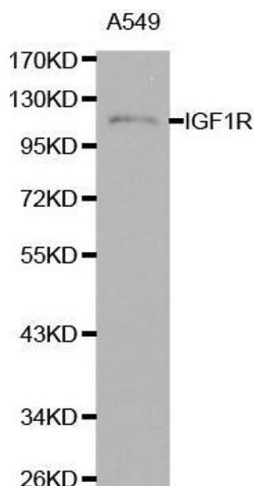
Huang, Dong, Sui, Hu, Xiong, Liao, Zhang: "MiR-223 suppresses endometrial carcinoma cells proliferation by targeting IGF-1R." in: **American journal of translational research**, Vol. 6, Issue 6, pp. 841-9, (2015) ([PubMed](#)).

Images



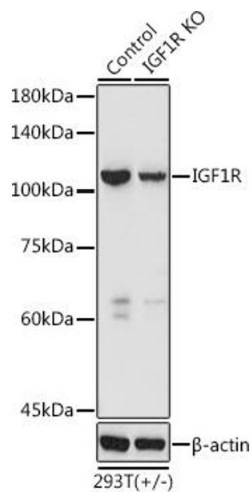
Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using IGF1R antibody (ABIN3020767, ABIN3020768, ABIN3020769 and ABIN6213714) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Western Blotting

**Image 2.** Western blot analysis of extracts of A549 cells using IGF1R antibody.



### Western Blotting

**Image 3.** Western blot analysis of extracts of 293T cells, using IGF1R antibody (ABIN3020767, ABIN3020768, ABIN3020769 and ABIN6213714) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.