

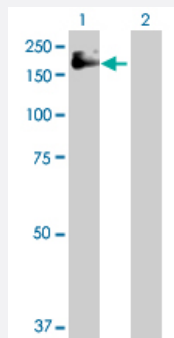
MaxPab®

IGF1R purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00003480-D01P

Size 100 ug

Applications

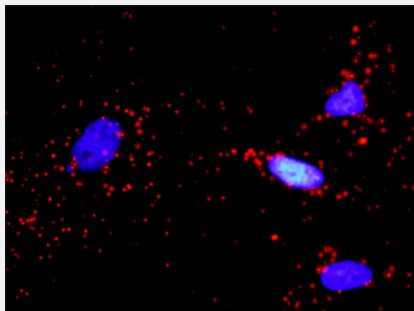


Western Blot (Transfected lysate)

Western Blot analysis of IGF1R expression in transfected 293T cell line ([H00003480-T01](#)) by IGF1R MaxPab polyclonal antibody.

Lane 1: IGF1R transfected lysate (154.80 kDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between IGF1R and PIK3R3. HeLa cells were stained with anti-IGF1R rabbit purified polyclonal 1:1200 and anti-PIK3R3 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human IGF1R protein.

Immunogen

IGF1R (NP_000866.1, 1 a.a. ~ 1367 a.a) full-length human protein.

Sequence

MKSGSGGGSPSTSLWGLLFLSAALSLWPTSGEICGPGIDIRNDYQQLKRLNCTVIEGYLHILLISKAE
DYRSYRFPKLTVITEYLLFRVAGLESLGDLFPNLTVIRGWKLFYNYALVIFEMTNLKDIGLYNLRNITR
GAIRIEKNADLCYLSTVDWSLILDAVSNNYVGNKPPKECGDLCPGTMECKPMCEKTTINNEYNYRC
WTTNRCQKMCPSTCGKRACTENNECCHPECLGSCSAPDNDTACVACRHHYAGVCVPACPPN
TYRFEGWRCVDRDFCANILSAESSDSEGFVIHDGECMQECPSGFIRNGSQSMYICPEGPCPKV
CEEEKTKTKTIDSVTSAQMLQGCTIFKGNLLINIRRGNNIASELENFMGLIEVVTGYVKIRHSHALVSL
FLKNLRLILGEEQLEGNYSFYVLDNQNLQQLWDWDHRNLTIKAGKMYFAFNPKLCVSEYRMEEVT
GTKGRQSKGDINTRNNGERASCESDVLHFTSTTTSKNRIITWHRYRPPDYRDLISFTVYKEAPFKN
VTEYDGGDAGGSNSWNMVDVLDLPPNKDVEPGILLHGLKPWTQYAVVYKAVTLTMVENDHIRGAK
SEILYRTNASVPSIPLDVLASNSSSQLVKWNPPSLPNGNLSYYVWRQRPQDGYLYRHNYCSK
DKIPIRKYADGTIDIEEV TENPKTEVC GGEKG PCCACPKTEAEKQAEKEEAEYRKVFENFLHNSIFV
PRPERKRRDVMQVANTTMSSRSRNTTAADTYNITDPEELETEYPPFESRVDNKERTVISNLRPFTL
YRIDIHSCNHEAEKLGCSASNFFVARTMPAEGADDIPGPVTWEPRPENSIFLKWPEPENPNGLILM
YEIKYGSQVEDQRECVSRQEYRKYGGAKLNRLNPGNYTARIQATSLSGNGSWTDPVFFYVQAKTG
YENFIHLIALPVAVLLVGGVLIMLYVFRKRNNNSRLGNGVLYASVNPEYFSAADVYPDEWEVARE
KITMSRELGGSGFGMVYEGVAKGVKDEPETRVAIKTVNEAASMRERIEFLNEASVMKEFNCHHV
VRLLGVSQGPQTLVIMELMTRGDLKSYLRLPEMENNPVLAPPSLSKMIQMAGEIADGMAYLN
ANKFVHRDLAARNCMVAEDFTVKIGDFGMTRDIETDYRKGKGKLLPVRWMSPELKDGVFTTY
SDVWSFGVVLWEIATLAEQPYQGLSNEQVLRVMEGGLLDKPDNCPDMLFELMRMCWQYNPK
MRPSFLEIISSIKEEMEPGFREVFSFYSEENKLPEPEELDLEPENMESVPLDPSASSSSSLPLPDRH
SGHKAENGP GPGVLVLRASFDERQPYAHMNGGRKNERALPLPQSSTC

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence

Mouse (96); Rat (95)

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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[Protocol Download](#)

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Gene Info — IGF1R

Entrez GeneID [3480](#)

GeneBank Accession# [NM_000875](#)

Protein Accession# [NP_000866.1](#)

Gene Name IGF1R

Gene Alias CD221, IGFIR, JTK13, MGC142170, MGC142172, MGC18216

Gene Description insulin-like growth factor 1 receptor

Omim ID [147370](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations soluble IGF1R variant 1|soluble IGF1R variant 2

Publication Reference

- [Novel classification based on immunohistochemistry combined with hierarchical clustering analysis in non-functioning neuroendocrine tumor patients.](#)

Iida S, Miki Y, Ono K, Akahira JI, Suzuki T, Ishida K, Watanabe M, Sasano H.

Cancer Science 2010 Oct; 101(10):2278.

Application: IHC-P, Human, Breast carcinoma, Neuroendocrine tumors

Pathway

- [Adherens junction](#)

- [Colorectal cancer](#)
- [Endocytosis](#)
- [Focal adhesion](#)
- [Glioma](#)
- [Long-term depression](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)

Disease

- [Abortion](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Aneuploidy](#)
- [Atherosclerosis](#)
- [Bacteremia](#)
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- [Bone Diseases](#)
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- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pancreatic Neoplasms](#)
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- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Retinopathy of Prematurity](#)
- [Schizophrenia](#)

- [Skin Neoplasms](#)
- [Spinal Diseases](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)