

Datasheet: AHP776

Description:	RABBIT ANTI HUMAN INSULIN-LIKE GROWTH FACTOR II
Specificity:	IGF-II
Other names:	INSULIN-LIKE GROWTH FACTOR II
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			3.1 - 4.6ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - lyophilized
Reconstitution	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB: For functional studies do not add azide.
Antiserum Preparation	Antisera to human IGF-II were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	None present

Stabilisers

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 1.0mg/ml

Immunogen Recombinant human IGF-II.

External Database Links

UniProt:
[P01344](#) [Related reagents](#)

Entrez Gene:
[3481](#) IGF2 [Related reagents](#)

RRID AB_2122535

Specificity

Rabbit anti Human Insulin-Like Growth Factor II antibody recognizes human IGF-II (Insulin-like Growth Factor II), a 67 amino acid mitogenic polypeptide and member of the Insulin gene family, synthesized by various foetal tissues during prenatal development, under the influence of placental lactogen.

IGF-II is a growth factor which exhibits both paracrine and autocrine properties and signals by binding to the type 1 and type 2 insulin-like growth factor receptors (type 1 IGFR and type 2 IGFR), and also to the insulin receptor (IR). The availability of IGF-II is dependent upon its attachment to, and release from, various IGF binding proteins (IGFBPs), a relationship which has been investigated in breast cancer research ([Singer et al. 2004](#)).

Western Blotting

This antibody may be used in Western Blotting under either reducing or non-reducing conditions.

References

1. Terasawa, H. *et al.* (1994) Solution structure of human insulin-like growth factor II; recognition sites for receptors and binding proteins. [EMBO J. 13 \(23\): 5590-7.](#)
 2. Singer, C.F. *et al.* (2004) Insulin-like growth factor (IGF)-I and IGF-II serum concentrations in patients with benign and malignant breast lesions: free IGF-II is correlated with breast cancer size. [Clin Cancer Res. 10 \(12 Pt 1\): 4003-9.](#)
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Storage

Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety

Material Safety Datasheet documentation #10294 available at:

Information <https://www.bio-rad-antibodies.com/SDS/AHP776>
10294

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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