

Datasheet: AHP1282

**BATCH NUMBER 171172**

<b>Description:</b>	RABBIT ANTI HUMAN IGFBP-7
<b>Specificity:</b>	IGFBP-7
<b>Other names:</b>	INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN-7
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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

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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended.
<b>Antiserum Preparation</b>	Antisera to human IGFBP-7 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	None present

**Stabilisers**

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**Carrier Free** Yes

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**Approx. Protein Concentrations** IgG concentration 1.0mg/ml after reconstitution.

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**Immunogen** Recombinant human IGFBP-7.

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**External Database Links****UniProt:**

[Q16270](#)    [Related reagents](#)

**Entrez Gene:**

[3490](#) IGFBP7    [Related reagents](#)

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**Synonyms** MAC25, PSF

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**RRID** AB\_2248672

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**Specificity**

**Rabbit anti Human IGFBP-7 antibody** recognizes human IGFBP-7 (insulin-like growth factor binding protein-7), also known as mac25, a 256 amino acid secreted protein and member of a growing family of IGFBPs which regulate the biological activities and distribution of the insulin-like growth factors (IGFs), through binding to IGF-I and IGF-II.

IGFBP-7 is widely expressed throughout normal tissues, but is also expressed in many tumour types at an increased or reduced level, and acts as a suppressor of breast and prostate cancer cell lines. IGFBP-7 inhibits IGF-induced differentiation of skeletal muscle (myogenesis) and has implications in bone formation, by its possible effects on the actions of parathyroid hormone (PTH) and cortisol.

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**Further Reading**

1. Ruan, W.J. *et al.* (2006) IGFBP7 plays a potential tumor suppressor role against colorectal carcinogenesis with its expression associated with DNA hypomethylation of exon 1. [J Zhejiang Univ Sci B. 7 \(11\): 929-32.](#)
  2. Pereira, R.C. & Canalis, E. (1999) Parathyroid hormone increases mac25/insulin-like growth factor-binding protein-related protein-1 expression in cultured osteoblasts. [Endocrinology. 140 \(5\): 1998-2003.](#)
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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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10294 available at: <https://www.bio-rad-antibodies.com/SDS/AHP1282>

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**Regulatory**For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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 \(STAR209P\)](#)**North & South** Tel: +1 800 265 7376**Worldwide**

Tel: +44 (0)1865 852 700

**Europe**

Tel: +49 (0) 89 8090 95 21

**America** Fax: +1 919 878 3751

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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://bio-rad-antibodies.com/datasheets)

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