

Datasheet: AHP1282

Description:	RABBIT ANTI HUMAN IGFBP-7
Specificity:	IGFBP-7
Other names:	INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN-7
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

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 - lyophilised
Reconstitution	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended.
Antiserum Preparation	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.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 1.0mg/ml after reconstitution.
Immunogen	Recombinant human IGFBP-7

**External Database
Links**

UniProt:

[Q16270](#) [Related reagents](#)

Entrez Gene:

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

Synonyms

MAC25, PSF

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.

ELISA

This purified human IGFBP-7 antibody may be used in an ELISA [recombinant human IGFBP-7](#) (PHP178) as the standard.

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.](#)

Storage

Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

3 months from date of reconstitution.

Please see label for expiry date.

**Health And Safety
Information**

Material Safety Datasheet documentation #10162 available at:
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Sheep Anti Rabbit IgG (2AB02...)

[Biotin](#)

Sheep Anti Rabbit IgG (STAR36...)

[DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

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