

Datasheet: AHP1282

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| 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.

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|---------------------------------|---|
| 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 |

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| Carrier Free | Yes |
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml after reconstitution. |
| Immunogen | Recombinant human IGFBP-7 |
| External Database Links | <p>UniProt: Q16270 Related reagents</p> <p>Entrez Gene: 3490 IGFBP7 Related reagents</p> |
| Synonyms | MAC25, PSF |
| RRID | AB_2248672 |
| Specificity | <p>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.</p> <p>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.</p> |
| ELISA | This purified human IGFBP-7 antibody may be used in an ELISA recombinant human IGFBP-7 (PHP178) as the standard. |
| Further Reading | <ol style="list-style-type: none"> Ruan, W.J. <i>et al.</i> (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. 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 | <p>Prior to reconstitution store at -20°C. After reconstitution store at -20°C.</p> <p>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.</p> |
| Guarantee | 6 months from date of despatch |
| Health And Safety | Material Safety Datasheet documentation #10162 available at: |

Information 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](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

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