

**IGFBP3 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7641a****Specification**

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**IGFBP3 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P17936](#)**IGFBP3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 3486**Other Names**

Insulin-like growth factor-binding protein 3, IBP-3, IGF-binding protein 3, IGFBP-3, IGFBP3, IBP3

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7641a](/products/AP7641a) was selected from the N-term region of human IGFBP3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**IGFBP3 Antibody (N-term) Blocking Peptide - Protein Information****Name** IGFBP3**Synonyms** IBP3**Function**

IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. Also exhibits IGF-independent antiproliferative and apoptotic effects mediated by its receptor TMEM219/IGFBP-3R. Inhibits the positive effect of humanin on insulin sensitivity (PubMed: [19623253](http://www.uniprot.org/citations/19623253)). Promotes testicular germ cell apoptosis (PubMed: [19952275](http://www.uniprot.org/citations/19952275)).

**Cellular Location**

Secreted.

**Tissue Location**

Expressed by most tissues. Present in plasma.

**IGFBP3 Antibody (N-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**IGFBP3 Antibody (N-term) Blocking Peptide - Images****IGFBP3 Antibody (N-term) Blocking Peptide - Background**

IGFBP3 is a member of the insulin-like growth factor binding protein (IGFBP) family with an IGFBP domain and a thyroglobulin type-I domain. The protein forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors.

**IGFBP3 Antibody (N-term) Blocking Peptide - References**

Muzumdar, R.H., Diabetes 55 (10), 2788-2796 (2006) Novosyadlyy, R., Growth Horm. IGF Res. 15 (5), 313-323 (2005)