

Phospho-IGFBP-3(S183) Antibody Blocking peptide
Synthetic peptide
Catalog # BP3684a**Specification**

Phospho-IGFBP-3(S183) Antibody Blocking peptide - Product InformationPrimary Accession [P17936](#)**Phospho-IGFBP-3(S183) Antibody 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 [AP3684a](/products/AP3684a) was selected from the region of human Phospho-IGFBP-3-pS183. 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.

Phospho-IGFBP-3(S183) Antibody 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.

Phospho-IGFBP-3(S183) Antibody Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Phospho-IGFBP-3(S183) Antibody Blocking peptide - Images**Phospho-IGFBP-3(S183) Antibody 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.

Phospho-IGFBP-3(S183) Antibody Blocking peptide - References

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