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Phospho-IGFBP-3(S183) Antibody Blocking peptide

Synthetic peptide
Catalog # BP3684a

Specification

Phospho-IGFBP-3(S183) Antibody Blocking peptide - Product Information

Primary 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 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). Promotes testicular germ cell apoptosis (PubMed: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)