

**GCFC Antibody (C-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP1953b**Specification**

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**GCFC Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q9Y5B6](#)**GCFC Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 94104

**Other Names**

PAX3- and PAX7-binding protein 1, GC-rich sequence DNA-binding factor 1, PAXBP1, C21orf66, GCFC, GCFC1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1953b](/product/products/AP1953b) was selected from the C-term region of human GCFC. 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.

**GCFC Antibody (C-term) Blocking Peptide - Protein Information**

Name PAXBP1

Synonyms C21orf66, GCFC, GCFC1

**Function**

Adapter protein linking the transcription factors PAX3 and PAX7 to the histone methylation machinery and involved in myogenesis. Associates with a histone methyltransferase complex that specifically mediates dimethylation and trimethylation of 'Lys-4' of histone H3. Mediates the recruitment of that complex to the transcription factors PAX3 and PAX7 on chromatin to regulate the expression of genes involved in muscle progenitor cells proliferation including ID3 and CDC20.

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:P58501}.

**Tissue Location**

Ubiquitous..

**GCFC Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**GCFC Antibody (C-term) Blocking Peptide - Images****GCFC Antibody (C-term) Blocking Peptide - Background**

Partial homology to a transcriptional repressor and histone-interacting protein suggests that GCFC is involved in the regulation of transcription. It GCFC binds to the GC-rich sequences (5'-gcggggc-3') present in the epidermal growth factor receptor, beta-actin, and calcium-dependent protease promoters.

**GCFC Antibody (C-term) Blocking Peptide - References**

Reymond, A., et al., Genomics 78 (1-2), 46-54 (2001). Slavov, D., et al., Gene 247 (1-2), 215-232 (2000).