

GCFC Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP1953c**Specification**

GCFC Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9Y5B6](#)**GCFC Antibody (Center) 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 [AP1953c](/product/products/AP1953c) was selected from the Center 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 (Center) 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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GCFC Antibody (Center) Blocking Peptide - Images**GCFC Antibody (Center) 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 (Center) 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).